2014

Product Catalog

CPI

CHATSWORTH PRODUCTS

Optimize.
Store.
Secure.

CPI: 800-834-4969

WELCOME FROM CPI

To know Chatsworth Products (CPI) is to know our motto – "Delight the Customer." As an employee-owned company, it is important for us to work with you on an individual basis to deliver quality products and services for every IT infrastructure need. Whether you are placing an order through customer service or clarifying a project through technical support, CPI's team of experienced professionals will find the perfect solution. It is that dedication to solving the needs of customers that led to providing our most popular products for IT infrastructure solutions in this catalog. If there is something you cannot find, give us a call at 800-834-4969, and we will be happy to delight you too!

WHAT WE DO

CPI is a global manufacturer of voice, data and security products that Optimize, Store and Secure technology equipment. Offering quality in-stock products and customized solutions, CPI leads the industry in innovation, configurability and value with an array of integrated system components that cover virtually all physical layer needs. Our organization's knowledge and expertise allows us to communicate and collaborate with IT professionals, architects, contractors, engineers, OEM equipment manufacturers, integrators and end users, working in a partnership each step of the way to create custom-fit IT infrastructure solutions. Headquartered in the United States, CPI operates global offices within the US, Mexico, Canada, China, Middle East and the United Kingdom.

WHY CHOOSE CPI?

HISTORY

Twenty years ago, CPI began when 90 employees joined together and purchased the Dracon Division of Harris Corporation, using an Employee Stock Ownership Plan (ESOP). With deregulation in the telecommunications industry and technological innovation in voice and data equipment, CPI focused on the explosive needs of the information technology market to manage IT infrastructure equipment. Today, CPI is a leading global supplier of integrated solutions that optimize technology equipment. This pioneering spirit is what motivates CPI to delight the customer by responding rapidly with tailored standard and custom solutions that give them a higher return on their investment.

WHO WE SERVE

As technology needs evolve, so does CPI. Whether it is organizing cable in a network cabinet, securing data in a brand new facility, ensuring security for banking institutions or satisfying HIPAA requirements in a co-location facility, CPI has the experience and know-how to provide the perfect solution at the perfect time.
Some of the markets we have served include:
• Banking & Financial Services
• Telecommunications
• Government (Federal, State and Local)
• Pharmaceutical & Biotech
• Consulting & Business Services
• Healthcare & Medical
• Insurance
• Media & Entertainment
• Retail
• Information Technology
• Electronics
• Education
• Security

CPI is committed to being a company of the highest quality in every aspect of its business, providing Quality Products, Quality Services and most of all – Quality People.

CUSTOMIZED SOLUTIONS

A great deal of precision and thought goes into the design of today's data center, but plans can change in an instant. Each step comes with its own set of obstacles, from a need to maintain energy costs through thermal management solutions, to the deployment of quality-built cabinets that can withstand high-density loads and earthquakes. As the environment within data centers continually changes, infrastructure systems must be able to change too. That is why CPI provides the marketplace with a variety of high quality, unique solutions that allow for future technology and evolving standards.

VALUE-ADDED ONLINE TOOLS

The design and implementation of everything, from network closets, to sprawling data centers is literally filled with twists and turns. That is why CPI has developed a robust support structure at www.chatsworth.com that can help plan out infinite designs and solutions for any IT infrastructure need. Some of the most popular online resources include Building Information Modeling (BIM) drawings, the e-Catalog, our full documentation library and a product Configurator that has been utilized more than 100,000 times.
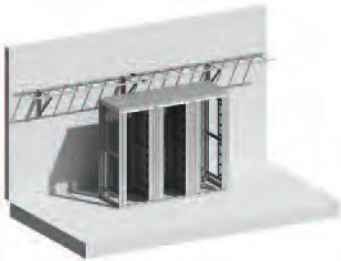
LEADING THE WAY IN RESEARCH, DEVELOPMENT & TRAINING

With the financial strength to reinvest in the company and continually improve manufacturing and logistical processes, CPI has become an industry leader in product innovation and excellence. Complementing our numerous active patents for groundbreaking product designs, CPI has its own Research Development and Training (RD&T) Center. Designed with customers in mind, the RD&T Center is a comprehensive facility complete with a

Product Showroom, Customer Meeting Center and a Thermal Test Lab. In addition to giving customers a chance to learn and interact directly with CPI Products and Solutions, the test lab is equipped to model various heat loads, cabinet configurations and conduct in-house product testing. For more information or to schedule a visit, go to www.chatsworth.com/rdt.

INDUSTRY AFFILIATIONS

CPI maintains its comprehensive product and industry knowledge with help from the following affiliations and associations:

- Industry Advisory Council (IAC)
- Underwriters Laboratories, Inc. (UL)
- The Green Grid
- US Green Builders Council (USGBC)
- AFCOM National and Local Chapters
- ASHRAE
- TIA
- BICSI Platinum Level Prestige Corporate Member (PCM) with one of the largest groups of RCDDs
- BICSI Standards Committee
  - Data Center Rack and Cabinet Editor
  - Mechanical Group
  - Thermal Consultant
  - BIM Best Practices Subcommittee
- Society of Telecommunications Consultants (STC)
- International Organization for Standardization (ISO)
- Armed Forces Communications and Electronics Association (AFCEA)
- ESOP Association

EXPERT SERVICE AND SUPPORT

CPI understands that the high-speed world of data management is constantly changing and for this reason, we offer highly trained Technical Support Specialists and Customer Service Representatives to help solve your IT infrastructure needs. Based on your specific requirements, our Technical Support Specialists can help design the precise layout for your data center, and provide a detailed bill of material complete with layout and assembly drawings. Furthermore, our Customer Service Representatives work closely with distributors to maintain product availability, ultimately helping preserve your project's scheduling requirements.

CONTACT INFORMATION

CPI Global Offices:

Corporate Office - Westlake Village, CA
818-735-6100 • 818-735-6199 FAX

Chatsworth, CA Operations
818-882-8595 • 818-718-0473 FAX

New Bern, NC Operations
252-514-2779 • 252-514-2977 FAX

Georgetown, TX Operations
512-863-7800 • 512-869-1374 FAX

Asia Pacific
Pudong, Shanghai, China
+86-21-6880-0266
www.chatsworth.com.cn

Latin America
Mexico City, Mexico
+52-55-5203-7525, toll free: +01-800-201-7592
www.chatsworth.com.co

Europe
Buckinghamshire, England UK
+44-01628-524-834
www.chatsworthproducts.co.uk

Middle East & Africa
Dubai, United Arab Emirates
+971-4-2602125

Canada
Toronto, Ontario, Canada
+905-850-7770

For answers to your questions or for custom solutions, please call Customer Service or Technical Support at **1-800-834-4969** (toll free in the U.S. & Canada) Monday - Friday, 5 a.m. - 5 p.m., Pacific Time; **1-818-739-3400** (outside of the U.S. & Canada), or email Technical Support at **techsupport@chatsworth.com.**

.Visit our Global Website at www.chatsworth.com

HOW TO ORDER

CPI sales are conducted in partnership with a global network of distributors, contractors and resellers. To obtain a purchase price quote and product availability, please locate the CPI partner nearest you by calling 800-834-4969.

This catalog has been developed according to comprehensive product groups. Each group is presented as a convenient section within the catalog and contains part numbers, ordering information and detailed illustrations or photographs.

TO ORDER, FOLLOW THESE SIMPLE STEPS:

1. Locate desired product(s) within the appropriate section.
2. Use the complete part number. Pay close attention to the digits indicating product variations such as size, finish (refer to Color Finishes information) and hole pattern.
3. Check "Consists Of" information for each product for a listing of all components and hardware included with the part number.
4. Check to see if product descriptions include "Installation May Require" or "Installation Will Require" the following hardware. These components are not included with the product; however, most of these items are contained in the catalog and may be ordered. Please see part number references where indicated.
5. Indicate quantity and full part numbers in your purchase orders (POs). The description is not essential but should be included when ordering. The product description will appear on your acknowledgment, invoice and packing list.
6. Locate a distributor by calling 800-834-4969 or visiting www.chatsworth.com. If you are an authorized CPI distributor, send POs via mail or fax to one of our Customer Service Department locations listed to the right.
7. Questions? Call CPI toll-free at 800-834-4969 within the United States and Canada or visit www.chatsworth.com.

Note: Prices and quantity breakdowns are not listed in this product guide. For product pricing, please contact our Customer Service Department at 800-834-4969.

All orders received are subject to acceptance by CPI and are subject to a minimum charge of $200.00. CPI must receive written confirmation for all orders prior to shipment.

Products listed do not include export packaging, insurance, taxes, tariffs or duties.

All pricing is subject to change. CPI reserves the right to make adjustments to pricing and product offerings for reasons including, but not limited to, changing market conditions, product discontinuations, product unavailability and price changes.

GSA Schedule
Contract GS-35F-0184N

FEDERAL, STATE AND LOCAL GOVERNMENT BUSINESS – GSA CONTRACT NO. GS-35F-0184N

CPI is listed with the General Services Administration (GSA) under Federal Supply Schedule 70 for General Purpose Commercial Information Technology Equipment, Software and Services, is a Small Business manufacturer (SB) and is available through GSA Advantage, NETCENTS, SEWP III, NITAAC-ECSIII, GSA Connections as well as other channels. For more information visit www.chatsworth.com/gov.

COLOR FINISHES

CPI utilizes the powder-coating finishing process to produce a durable, long-lasting finish that is aesthetically superior to other techniques. The majority of CPI Products are available in three colors (white, black and gray) and a grained metal finish, referred to as "clear." CPI's powder-coating and curing techniques provide a more consistent, uniform finish. Therefore, the color is evenly applied (even on angles, die cuts or unique shapes) and does not vary among different products. CPI's "White" or "Computer White" will now be distinguished as "Computer Beige." These are the same colors and indicate an off-white color designed to coordinate with typical computer-white products. CPI's bright white cabinet color is designated as "Glacier White."

CUSTOMER SERVICE DEPARTMENTS

Chatsworth, CA Operations
Chatsworth, CA 91311-5205
Ph: 818-882-8595 • Fax: 818-718-0473
Georgetown, TX Operations
Georgetown, TX 78626
Ph: 512-863-7800 • Fax: 512-869-1374
New Bern, NC Operations
New Bern, NC 28562-5447
Ph: 252-514-2779 • Fax: 252-514-2977
Europe, United Kingdom Office
Buckinghamshire UK SL8 5AS
Ph: +44-1628-524-834
Canada Office
Toronto, Canada
Ph: +905-850-7770
Shanghai Office
Pudong, Shanghai, China
Ph: +86 21 6880-0266
1-800-834-4969 (toll free in the U.S. & Canada)
1-818-739-3400 (outside of the U.S. & Canada)

TERMS & CONDITIONS

CPI maintains a policy of continuous product improvement; therefore, we reserve the right to make changes without notice.

WARRANTY

CPI guarantees manufactured products and each part or component thereof against all defects in material and/or workmanship. CPI agrees to remedy any manufacturing defect, either through replacement or repair, at no charge, provided that the defective unit is returned, transportation prepaid, to the CPI factory. The warranty extends for a period of one year from the date of installation or initial use, provided that this period shall not exceed 18 months from the original date of shipment from factory.

Any product that has been repaired or replaced shall be similarly warranted on its repair or replacement for the remaining product warranty period or 90 days from the date of repair or replacement, whichever expires last.

This warranty does not extend to products that have been subjected to neglect, accident or improper use, nor to units that have been altered by non-CPI personnel.

No warranties other than those set forth in this section are given or implied with respect to the products furnished. CPI shall, in no event, be liable for consequential damages, for loss, damage or expense directly or indirectly arising from the use of the products, for any inability to use materials or from any other cause.

NON-WARRANTY REPLACEMENTS

CPI Products are not serviceable in the field, and customers are encouraged to return them to CPI Customer Service for repairs.

Some documentation and replacement components are available for purchase from CPI. Please contact CPI Customer Service for ordering information and availability.

RETURNS AND REPAIRS

No products or part thereof shall be returned to CPI unless the customer first obtains a Customer Return Authorization Number from a CPI Customer Service Representative. This number must appear clearly and prominently on all shipping containers. Containers without the labels will not be accepted.

Products returned for warranty repair shall be shipped prepaid to CPI. Some products are subject to handling charges if no defects are found during inspection. All products returned to CPI shall be packaged to prevent damage during shipment. Any damage that occurs during shipment is the responsibility of the customer and the shipping company. CPI will send back repaired products freight prepaid.

If CPI finds that products returned for repair, whether in or out of warranty, have failed due to misuse or negligence or have components removed, CPI will repair the product in accordance with "out-of-warranty" charges. If CPI finds products, in or out of warranty, to be damaged beyond repair, the customer can choose to have the product sent back "as is" or scrapped by CPI.

ISO 9001-2008 REGISTRATION

Operation	Certificate Registration No.
Chatsworth, CA	10002325 QM08
	Ref. 10002325
New Bern, NC	10002325 QM08
	Ref. 10004453
Georgetown, TX	10002325 QM08
	Ref. 10004454

The UL Registered Firm symbol indicates that the facility has passed UL's evaluation to the international quality standards of the International Organization for Standardization. This means the facility has been thoroughly monitored and has participated in an audit to determine compliance with a strict and comprehensive set of quality specifications. An appropriate quality system must be demonstrated to meet these specifications for quality in the relevant areas of design, development, production, assembly, final inspection and testing.

The UL Classified symbol indicates that Underwriters Laboratories Inc. classifies the product as an equipment grounding conductor only.

The UL Listed symbol indicates the product is Listed to applicable UL Standards and requirements by Underwriters Laboratories Inc.

The cULus indicates compliance with both Canadian and U.S. requirements by Underwriters Laboratories Inc.

The UL Component Recognition symbol is used on components that are part of a larger product or system.

The CE Marking is a European marking of conformity, indicating a product complies with the requirements of the applicable European laws with respect to safety, health environment and consumer protection.

ENVIRONMENTALLY SAFE
CPI is committed to recycling as the solution to environmental and landfill concerns and continues to pursue packaging solutions that are cost effective and environmentally friendly.

NON-CPI REGISTRATION MARKS
- Aironet® is a registered trademark of Cisco Systems, Inc.
- AisleLok® and AisleLok® Acrycell™ are registered trademarks of Upsite Technologies, Inc.
- AT&T® is a registered trademark of AT &T Intellectual Property, Inc.
- AutoCAD® is a registered trademark of Autodesk, Inc.
- Cisco® is a registered trademark of Cisco Systems, Inc.
- Compaq® is a registered trademark of Hewlett Packard Development Company, L.P.
- Dell™ is a trademark of Dell Inc.
- Delrin® is a trademark of E.I duPont de Nemours & Company (DuPont).
- HP® is a registered trademark of Hewlett-Packard Development Company, L.P.
- Hilti® is a Registered trademark of Hilti Corporation
- HotLok® is a registered trademarks of Upsite Technologies
- Hubbell® is a registered trademark of Hubbell Inc.
- IBM® is a registered trademark of IBM Corporation
- Krone® is a registered trademark of ADC GmbH
- KoldLok® is a registered trademarks of Upsite Technologies
- Lexan® is a registered trademark of SABIC Innovative Plastics
- Slip-on® is a registered trademark of Slip-on Lock Nut Company Corporation
- Velcro® is a registered trademark of Velcro Industries B.V.
- Visio® is a registered trademark of Microsoft Corporation.

All other trademarks belong to their respective companies.

SUPPORT SERVICES

CUSTOMER SERVICE & TECHNICAL SUPPORT

Customer Service is available in the U.S. at 800-834-4969 (Monday - Friday, 5 a.m. - 5 p.m., Pacific Time). For Customer Service locations outside of the U.S., refer to page five for office information. Our friendly and professional Customer Service Representatives have the experience and know-how to ensure you get the right solutions for your needs. Customer Service Representatives are available to answer questions about CPI Products, direct you to a distributor, help you find what you need on CPI's Website or to provide product information sheets via fax or e-mail.

Technical Support is also available at 800-834-4969 (Monday to Friday, 5 a.m. - 5 p.m., Pacific Time) or via e-mail at techsupport@chatsworth.com. CPI's team of knowledgeable support personnel takes pride in getting the right answers to you quickly to help you meet your project requirements.

FREE LAYOUT SERVICES

CPI provides a number of free services that can be downloaded from www.chatsworth.com, including detailed drawings using AutoCAD®. Technical Support also provides bills of material, CAD drawings (also available in PDF format) and the support you need to complete your project on budget and on schedule. The Technical Support staff specializes in working with value added resellers, contractors, information systems teams, schools, government agencies, end users and new customers who would like a job "done right the first time."

CPI offers free Visio® Shapes to help you plan your next project, and free CAD Blocks (dwg files) to help you quickly and accurately develop a room layout. For more information about these tools visit www.chatsworth.com/designtools.

CPI RESOURCE CD

Each year, CPI produces a free CD that contains the entire CPI Mini-Catalog in Adobe® Acrobat® PDF format. To request a CD, visit www.chatsworth.com and select "Support and Downloads" then "Request Printed Literature."

ONLINE TOOLS

To accommodate our customers in every possible way, CPI provides a variety of value-added online tools.

PRODUCT CONFIGURATOR

The Product Configurator will guide you through the steps and selections necessary to create customized Racks, Cabinets and Enclosure Systems, Wall-Mount Systems and Electronics and Monitoring and Security Systems. Once built, the Product Configurator will present a total list price, rendered drawings and offer a selection of distributors or global resellers. Access this tool at www.chatsworth.com/configurator.

eCATALOG

Our eCatalog is a tool that will allow users to view products and their descriptions, create project carts, receive MSRP pricing and locate a distributor for a quote. The eCatalog can be accessed at www.chatsworth.com.

CPI PUE CALCULATOR℠

The CPI PUE Calculator℠ will determine your data center cost savings by combining CPI Passive Cooling® Solutions with today's most effective cooling strategies. By utilizing your existing energy consumption and cost data information, the CPI PUE Calculator will identify the efficiency of CPI Passive Cooling Solutions in your exact data center environment. Check out this tool at www.chatsworth.com/pue-calculator.

DOCUMENTATION CENTER

CPI's Documentation Center is a comprehensive online reference that will provide you with the ability to search specific product and general company information. It is an easy and quick way to retrieve printable documentation to support bids and proposals. Access by selecting "Supports and Downloads" then "Documentation Center" from the www.chatsworth.com homepage.

Get the latest in CPI product info, industry news, event info and more at:
www.chatsworth.com/About-CPI/The-Source-Newsletter or at *www.chatsworth.com/blog.*

RACK SYSTEMS
Racks, Rack Enclosures, Shelves & Accessories

RACK SYSTEMS

Advances in technology are moving information faster and faster every day. However, no matter how advanced or involved a network becomes, it can all come to a halt if not supported by a sturdy rack. Building a proven record of supporting these complex network configurations through standout products, like the cost-effective Adjustable QuardraRack®, CPI's industry-leading Rack Systems deliver the confidence of unsurpassed strength, stability and durability. From multiple patch panels, to cabling and other equipment, CPI Rack Systems keep equipment safe and secure.

Designed and built with a commitment to quality, CPI Rack Systems can also be quickly adapted for your changing needs, with the addition of shelves or special brackets engineered to hold larger devices and computer hardware, such as servers and switches. Enclosures can be added to some Rack Systems as well, which improve security for your equipment.

CPI Rack Systems feature:
- High-quality construction and design
- Fixed mounting rails, most with rack-mount unit markings, ideal for support of patch panels, termination blocks and other equipment
- Standard EIA-310-D hole pattern
- Small footprint saves floor space
- Unrestricted airflow for maximum ventilation
- Easy access to cables for moves, adds and changes
- Large variety of styles, sizes and accessories for various configurations
- High static load ratings; 750 lb (340.2 kg) to 2200 lb (1000.0 kg))

Featured Product:

Universal Rack and Standard 3"D (80 mm) Racks now have integrated masked grounding studs on the inside of the rack channel for quick attachment to the Telecommunications Grounding System.

Featured Product:

Additional standard finishes (Glacier White) are available for most Rack and Rack Accessories.

Universal Rack

Features:

- High-strength, lightweight aluminum extrusion construction
- Two top angles or top bars and heavy-duty assembly hardware for stronger rack to handle heavier loading
- 50 special #12-24 mounting screws with combination Phillips/Straight heads and pilot points to reduce cross threading and installation time
- Unique packaging inserts eliminate damage from components hitting together in the carton during shipping and handling; racks are packed unassembled in individual cartons
- Ease of assembly is enhanced through use of threaded channels; no hex nuts are required
- Universal 5/8"-5/8"-1/2" (15.9 mm-15.9 mm-12.7 mm) alternating hole pattern offers greater mounting flexibility, maximizes usable mounting space and is compatible with conventional wide 1-1/4"-1/2" (31.8 mm - 12.7 mm) alternating hole patterns
- Integrated masked grounding studs on the inside of the rack channel for quick attachment to the Telecommunications Grounding System
- Available in powder coat color finishes (Gray, Computer Beige, Black, Glacier White) or grained aluminum finish (Clear)
- State-of-the-art manufacturing methods provide the best quality and fastest delivery in the industry
- Side channels have multiple mounting holes and (4) pem nuts for quick installation of cable management
- EIA Channels: C-Shaped, 1.265" x 3" (32.13 mm x 76 mm); 25" (6.4 mm) thick front/rear flanges; 17" (4.3 mm) thick web (pair)
- Base Angles: 3.5" x 6.0" x .375" (89 mm x 152 mm x 9.53 mm) thick (pair)
- Top Angles: 1.5" x 1.5" x .25" (38 mm x 38 mm x 6.4 mm) thick (pair)
- Top Angles, Flush Bolted: 1.5" x 2.0" x .25 (38 mm x 51 mm x 6.4 mm) thick
- Top Bars: 1.5" x .25" (38 mm x 6.4 mm) thick (pair)
- Panel Mounting Holes: #12-24 rolled threads in both flanges front and back
- Custom configurations and assemblies available by special order
- Assembly hardware is included
- Select models (P/N 48353-XXX, 48383-XXX) are UL Listed: File E140851; Category DUXR (US), DUXR7 (Canada) – Communications Circuit Accessory
- Weight capacity 1500 lb (680.4 kg) — weight must be evenly distributed, and rack must be properly secured to floor

Installation Hint: When mounting equipment, use #3 Phillips tip to assure maximum torque.
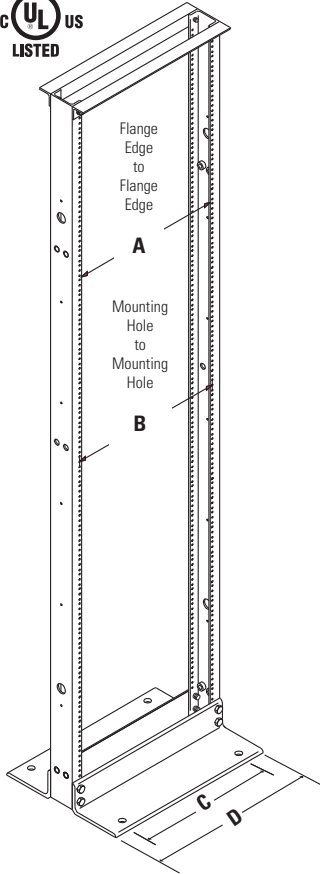
Ground Studs located directly on rack channel

Rack-Mount Unit (U) marks simplify equipment installation

Channel Cross Section and Hole Pattern Standards

CPI offers EIA aluminum channel uprights on all Standard and Universal racks. All Standard and Universal racks are threaded to accept industry standard #12-24 mounting screws. Extra care is taken in that the threads are "rolled" rather than "cut" for greater strength and durability. The Universal Rack hole pattern is 5/8"-5/8"-1/2" (15.9 mm-15.9 mm-12.7 mm) and is compatible with wide 1 1/4"-1/2" (31.8 mm-12.7 mm) patterns, while offering greater flexibility.

UNIVERSAL RACK

Flange
Edge
to
Flange
Edge

A

Mounting
Hole
to
Mounting
Hole

B

C **D**

Dimension	19" EIA Rack in (mm)	23" EIA Rack in (mm)
A	17.75 (450.9)	21.75 (552.5)
B	18.31 (465.1)	22.31 (566.7)
C	16 (410.0)	20 (510.0)
D	20.31 (515.9)	24.31 (617.5)

Shipping Weights - lb (kg)	
6' (1.8 m) Rack	37 (16.8)
7' (2.1 m) Rack	39 (17.7)
8' (2.4 m) Rack	41 (18.6)

Universal Rack Ordering Matrix

• UL Listed racks offered in multiple heights and 19" or 23" widths
• For heavy-duty, high-capacity installations

Top Bar or Angles	
460	Two Top Bars
463	Two Top Angles
467	Two Top Angles, Flush Bolted
483	UL Listed (With Two Top Angles)

Width - in	
5	19 EIA Channel
8	23 Channel

Mounting Holes	
3	Mounting Holes Both Sides

Color	
1	Gray
2	Computer Beige
5	Clear
7	Black
E	Glacier White

Height - ft (m)		
31	3 (0.9)	17U
20	4 (1.2)	24U
19	5 (1.5)	31U
00	5.6 (1.7)	34U
01	6 (1.8)	38U
02	6.6 (2.0)	41U
03	7 (2.1)	45U
05	7.6 (2.3)	48U
15	8 (2.4)	51U
17	8.6 (2.6)	55U
08	9 (2.7)	58U

4XX	X	X	-	X	XX

Top View of
Base Angle

.75 (19.1 mm)
12.50 (317.5 mm)
15.00 (381.0 mm)
4.75 (120.7 mm)
2.13 (54.1 mm)
c
d

35" x 3" (889 mm x 80 mm) Universal Rack

Universal Rack in a 35" (889 mm) frame width supports block hardware.

- High-strength aluminum construction
- Supplied with two top angles for maximum strength
- EIA-310-D Standard Universal 5/8"-5/8"-1/2" (15.9 mm-15.9 mm-12.7 mm) alternating hole pattern offers greater mounting flexibility and is fully compatible with conventional wide 1-1/4"-1/2" (31.8 mm-12.7 mm) alternating hole patterns
- Four web channel holes per side allow multiple racks to be firmly mounted together side by side
- High-strength roll-formed threaded mounting holes
- Rack-mount unit marks simplify equipment installation
- Includes 50 pilot point #12-24 mounting screws with combination Phillips/Straight heads
- Integrated masked grounding studs on the inside of the rack channel for quick attachment to the Telecommunications Grounding System.
- Ships unassembled, individually packaged with assembly and installation instructions included; bulk packaging is also available
- Supports up to 1500 lb (680.4 kg)

Note: Accessory shelves are not available for this rack.
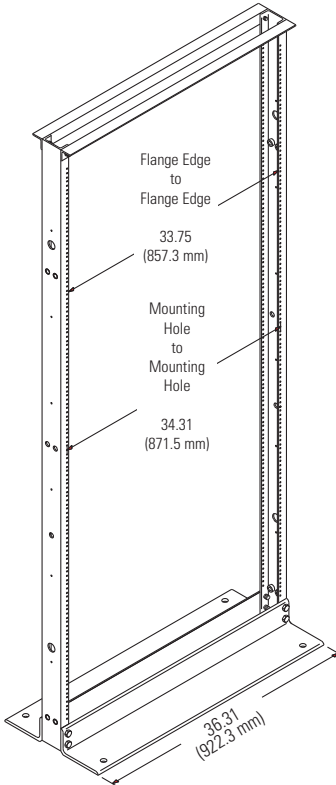
Flange Edge
to
Flange Edge

33.75
(857.3 mm)

Mounting
Hole
to
Mounting
Hole

34.31
(871.5 mm)

36.31
(922.3 mm)

Ground Studs located
directly on rack channel

Rack-Mount Unit (U)
marks simplify
equipment installation

Top Bar or Angles	
463	Two Top Angles
467	Two Top Angles, Flush Bolted

Width - in	
6	35 EIA Channel

Mounting Holes	
3	Mounting Holes Both Sides

Color	
1	Gray
2	Computer Beige
5	Clear
7	Black
E	Glacier White

Height - ft (m)		
01	6 (1.8)	38U
03	7 (2.1)	45U

46X	6	3	-	X	0X

Shipping Weights - lb (kg)	
6' (1.8 m) Rack	49 (22.2)
7' (2.1 m) Rack	51(23.1)

See Section 5 for Cable Management Products

UNIVERSAL RACK

Dimensions:

C

12-24
Threaded
Mounting
Holes

3.88"
(98.6 mm)

Front and Rear Flanges
(both sides drilled)

23.0"
(584.2 mm)

0.656"
(16.66 mm)
holes
3 PL.

1.125"
(28.58 mm)
HOLES
2 PL.

43.0"
(1092.2 mm)

14.0"
(355.6 mm)

1/2–20
Threaded insert
4 PL.

4.0"
(101.6 mm)

Web Surface
7' (2.1 m) Universal Rack

B

12-24
Threaded
Mounting
Holes
12.00"
(304.8 mm)
C-C

A

12.0"
(304.8 mm)
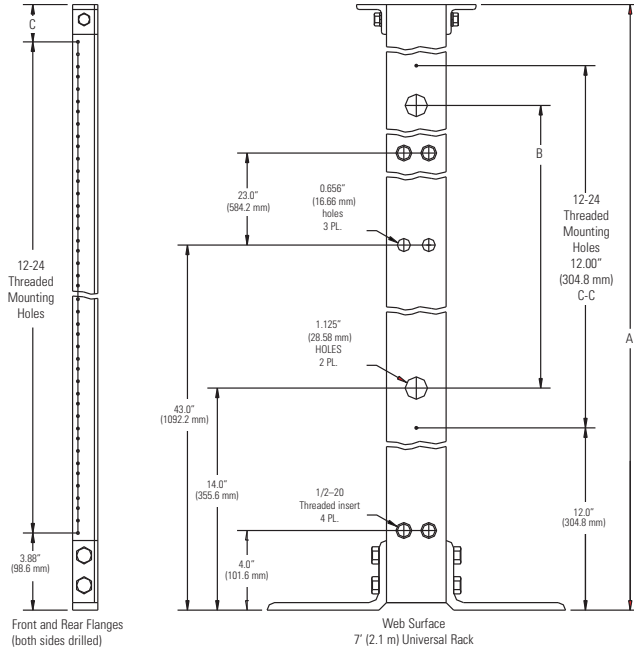
Rack Height Dimension A ft (m)	Dimension B in (mm)	Dimension C in (mm)	Number of Mounting Holes	Number of Mounting Spaces
3 (0.9)	N/A	1.75 (44.5)	53	17
4 (1.2)	N/A	2.13 (54.1)	72	24
5 (1.5)	43 (1090)	1.88 (47.8)	94	31
5.6 (1.7)	44 (1120)	2.00 (50.8)	104	34
6 (1.8)	56 (1420)	2.12 (53.8)	114	38
6.6 (2.0)	56 (1420)	1.75 (44.5)	125	41
7 (2.1)	56 (1420)	1.87 (47.5)	135	45
7.6 (2.3)	56 (1420)	2.62 (66.5)	144	48
8 (2.4)	72 (1830)	2.25 (57.2)	155	51
8.6 (2.6)	72 (1830)	2.38 (60.5)	165	55
9 (2.7)	72 (1830)	2.00 (50.8)	176	58

CPI: 800-834-4969

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7' (2.1 m) Rack Shown

1.25" (31.8 mm)
5.50" (139.7 mm)
4.25" (108.0 mm)
.625" (15.88 mm)
1.25" (31.8 mm)
12-24, THD
MTG Holes,
135 PLS
(45 RMU)
23.00"
(584.2 mm)
84.00"
(2133.6 mm)
.656, Holes
6 PL.
78.25"
(1987.6 mm)
(Flange Edges)
17.79"
(451.9 mm)
39.00"
(990.6 mm)
(Mounting Holes)
18.32"
(465.3 mm)
(Full Width)
20.32"
(516.1 mm)
4.0" (101.6 mm)
3.88" (98.6 mm)
.750" DIA (19.05 mm)
HOLES, 4 PL.
12.50"
(317.5 mm)
15.00"
(381.0 mm)
16.00"
(406.4 mm)
(Base Angle)
19.75"
(501.7 mm)

Ground Studs located directly on rack channel

Rack-Mount Unit (U) marks simplify equipment installation

Standard Rack 3"D (80 mm)

The Standard Rack is designed for value conscious, high volume customers, who require the quality and service that sets CPI racks apart from the competition. The Standard Rack is a UL Listed communication circuit accessory, designed specifically for use in telecommunications equipment installations where codes require UL Listed equipment racks. For a greater breadth of features, we recommend CPI Universal Racks.

• High-strength aluminum construction
• Shipped with (2) top angles, (2) base angles, (2) 3"D (80 mm) equipment channels and installation hardware
• Top angles allow J-bolt attachment without interfering with top rack-mount spaces
• EIA-310-D Standard Universal 5/8"-5/8"-1/2" (15.9 mm-15.9 mm-12.7 mm) alternating hole pattern offers greater mounting flexibility and is fully compatible with conventional wide 1-1/4"-1/2" (31.8 mm-12.7 mm) alternating hole patterns
• Six web channel holes per side enable multiple racks to be mounted together side by side or attachment of cable managers
• Integrated masked grounding studs on the inside of the rack channel for quick attachment to the Telecommunications Grounding System.
• High-strength roll-formed threaded mounting holes
• Rack-mount unit marks simplify equipment installation
• Includes 50 pilot point #12-24 mounting screws with combination Phillips/Straight heads to reduce cross-threading and installation time
• Available in powder coat color finishes (Gray, Computer Beige, Black, Glacier White) or grained aluminum finish (Clear)
• Ships unassembled, individually packaged, with assembly hardware and installation instructions; bulk packaging is also available
• Redesigned shipping container saves space and freight costs
• Choose from three heights
• Weight capacity of 1000 lb (453.6 kg) — weight must be evenly distributed, and rack must be properly secured to the floor
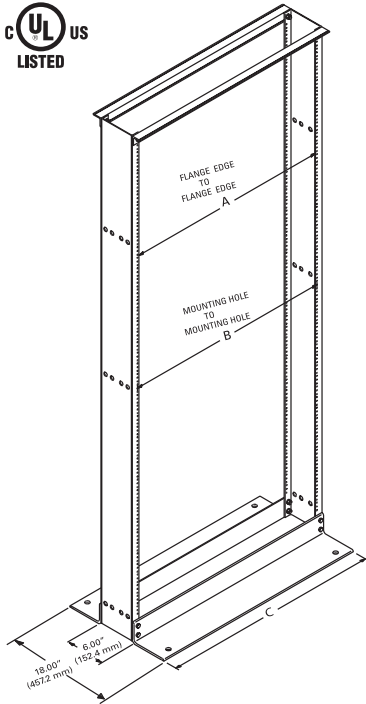• UL Listed; File E140851; Category DUXR (US), DUXR7 (Canada) – Communications Circuit Accessory
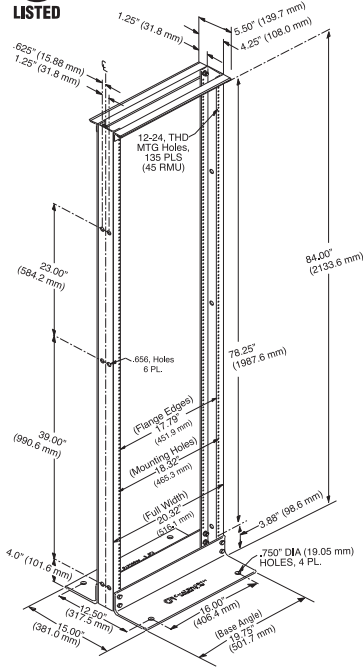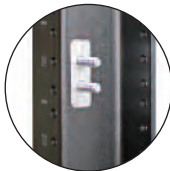
Part Number	Description H x W Height - ft (m)	Shipping Weight lb (kg)
55053-X03	7 (2.1) x 19", 45U	31 (14.1)
55053-X15	8 (2.4) x 19", 52U	37 (16.8)
55053-X08	9 (2.7) x 19", 58U	40 (18.1)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White

c(UL)us
LISTED

FLANGE EDGE TO FLANGE EDGE
A

MOUNTING HOLE TO MOUNTING HOLE
B

C

6.00" (152.4 mm)

18.00" (457.2 mm)

P/N 66363 (35" W) Shown:
The 6"D (150 mm) Standard Rack is the high-capacity frame that is designed for use with cabling sections and is the basic frame around which the XLBET/MDF frames are developed.

Standard Rack 6"D (150 mm)

Features 6"D (150 mm) upright mounting channels for MDF, IDF and other high-capacity distribution frame applications. The additional rack depth provides extra room for high-density equipment and cable needs.

- High-strength aluminum construction
- Supplied with (2) top angles for additional strength
- EIA-310-D Standard Universal 5/8"-5/8"-1/2" (15.9 mm-15.9 mm-12.7 mm) alternating hole pattern offers greater mounting flexibility and is fully compatible with conventional wide 1-1/4"-1/2" (31.8 mm-12.7 mm) alternating hole patterns
- Rack-mount unit marks simplify equipment installation
- High-strength, roll-formed threaded mounting holes
- Ships unassembled and individually packaged
- Includes assembly hardware and (50) pilot point #12-24 mounting screws with combination Phillips/Straight heads
- Weight capacity 1000 lb (453.6 kg) — weight must be evenly distributed and rack must be properly secured to the floor
- UL Listed; File E140851; Category DUXR (US), DUXR7 (Canada) – Communications Circuit Accessory

Part Number	Description H x W Height - ft (m)	Shipping Weight lb (kg)
66353-X03	7 (2.1) x 19", 45U	38 (17.2)
66383-X03	7 (2.1) x 23", 45U	42 (19.1)
66363-X03	7 (2.1) x 35", 45U	52 (23.6)

X=color; 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White

Rack Dimensions			
Dimension	19" EIA Rack in (mm)	23" EIA Rack in (mm)	35" EIA Rack in (mm)
A	17.79 (451.9)	21.79 (553.5)	33.79 (858.3)
B	18.31 (465.1)	22.31 (566.7)	34.31 (871.5)
C	20.31 (515.9)	24.31 (617.5)	36.31 (922.3)

Rack Enclosure

Single Rack Enclosure

P/N 11755-001
Standard side-mounted enclosure fan kit includes
(2) complete fan assemblies with an
attached cord with NEMA 5-15P plug.

Single Rack Enclosures

Enclose a single rack while leaving ample room for wire and cable. The aluminum top panel with six edge-protected punch-out ports provides cabling access wherever needed. Run cable through the back panel by removing one of four cable access plates located along the bottom kick plate.
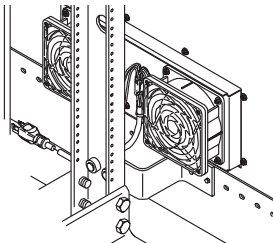
- Convenient cable access with removable sides, rear-kick panel and cut-out top sections
- Lockable plexiglass or metal doors are easily reversible
- Top and side panels can be removed in minutes to provide access to interior
- Ships partially assembled in one 14" x 32" x 89" (360 mm x 810 mm x 2260 mm) carton to minimize shipping and handling costs
- Shipping weight approximately 135 lb (61.2 kg)

Single Rack Enclosure				
110	Plexiglass Doors on Enclosure			

	Rack Width			
	38	19"		
	48	23"		

		Color		
		2	Computer Beige	
		7	Black	
		E	Glacier White	

			Rack Height - ft (m)	
			06	6 (1.8) With Side Panels
			07	7 (2.1) With Side Panels
			96	6 (1.8) Without Side Panels
			97	7 (2.1) Without Side Panels

110	XX	-	X	XX

Metal Door Rack Enclosure		
11558	For 19" Rack - Metal Enclosure Doors	

	Color	
	2	Computer Beige
	7	Black
	E	Glacier White

	Rack Height - ft (m)	
	06	6 (1.8) With Side Panels
	07	7 (2.1) With Side Panels
	96	6 (1.8) Without Side Panels
	97	7 (2.1) Without Side Panels

11558	-	X	XX

Fan Kit for Single Rack Enclosures	
11755-001	Fan Kit; 400 CFM, 115 VAC, 50/60 Hz, 0.19 Amp, NEMA 5-15P Plug, Components are UL & ROHS approved
11222-001	Replacement Filter Kit

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LISTED
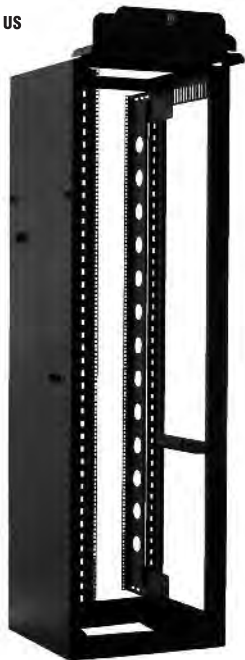
Adjustable Rail QuadraRack® (ARQR) and Adjustable Rail ServerRack (ARSR)

The Adjustable Rail QuadraRack® (ARQR) and the Adjustable Rail ServerRack (ARSR) provide a sturdy, feature-rich solution for supporting rack-mount network, computer server and data storage equipment in data centers, computer equipment rooms and other IT facilities. Both racks offer the strength and stability of an enclosure in an open four-post mounting system that provides easy access to equipment and cabling.

The front and rear frames are welded to speed assembly and increase strength. Four brackets connect the front and rear corners of the frames. Front mounting rails attach to the front frame in a fixed position and align with the front of the rack or can be reversed for recessed mounting to maximize side-to-side airflow through network switches. Rear mounting rails are adjustable in depth and can extend beyond the rear of the frame. A second set of holes along the sides of the frame lets you add optional side-mounted equipment support rails and vertical power strips that are independent of the mounting rails and use no rack-mount space. The bottom of the rack is punched for easy floor attachment.

Each rack includes a Top-Mount Cable Waterfall Tray with adjustable radius drops to allow easy side-to-side routing for patch cords. Use with any CPI cabling section (vertical cable manager) or Cable Guide Kits to organize cables along the sides of the rack. Attach CPI Cable Runway to the top of the rack with J-Bolts, a Cable Runway Elevation Kit or a Cable Runway Mounting Bracket to support overhead premise cables. A side panel is also available.

Features:
- Available in three heights and two depths
- Adjustable Rail QuadraRack (ARQR) has threaded mounting holes that speed installation of patch panels, fiber enclosures and network switches.
- Adjustable Rail ServerRack (ARSR) has square-punched mounting rails that let you change mounting hardware (cage nuts) to match specific computer server and data storage equipment mounting requirements.
- Each rack-mount unit is marked and numbered
- Front pair of mounting rails may be mounted to allow rack-mount unit numbering to start at the top or bottom of the rack
- Rear mounting rail adjusts in depth
- UL Listed; File E227626; Category NWIN (US), NWIN7 (Canada) – Information Technology and Communications Equipment Cabinet, Enclosure and Rack
- Each rack will support up to 2200 lb (1000.0 kg) of equipment

Rack Includes:
- (2) mounting frames
- (4) horizontal braces
- (2) front mounting rails
- (2) rear mounting rails
- (1) top-mount cable tray
- Assembly hardware: (1) Two Mounting Hole Ground Terminal Block and Antioxidant Joint Compound
- ARSR includes (50) #12-24 cage nuts and screws
- ARQR includes (50) #12-24 screws
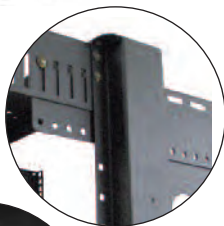
Mounting Rails can be flipped to change numbering from bottom-to-top or top-to-bottom

23.6"
(600 mm)

Adjustable Rail QuadraRack® and Adjustable Rail ServerRack
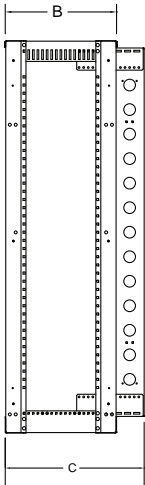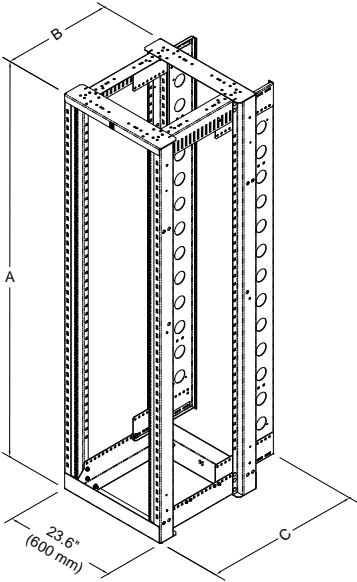
1525 | 19" Adjustable Rail 4-Post Racks

	Mounting Hole Style	Rack Depth (B) in (mm)	Max. Rail Depth (C) in (mm)
1	#12-24 Threaded	23.62 (600)	29.52 (750)
2	#12-24 Threaded	35.43 (900)	41.33 (1050)
3	Square-Punched	23.62 (600)	29.52 (750)
4	Square-Punched	35.43 (900)	41.33 (1050)

Note: Min. Rail Depth is 15" (380 mm)

	Color
1	Gray
2	Computer Beige
7	Black
E	Glacier White

Height (A)		
	U	Height - in (mm)
01	38	72 (1800)
03	45	84 (2100)
15	51	96 (2400)

1525	X	-	X	XX

C

SIDE VIEW
MAX. RAIL DEPTH

15.00"
(380 mm)

SIDE VIEW
MIN. RAIL DEPTH

15285-X01

15275-X01

15286-001

15270-X01

Mounting Rails can
be flipped to change
numbering from
bottom-to-top or
top-to-bottom

15260-X01
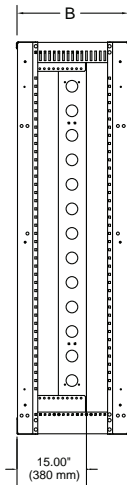
Adjustable Rail 4-Post Rack Accessories

Equipment Support Rail

Provides additional support for heavy rack-mount equipment, attaches to the side of the Adjustable Rail QuadraRack or ServerRack and provides a .98"W (25 mm) support surface for equipment. Does not interfere with rack-mount unit (U) spaces. Supports 200 lb (90.7 kg) of equipment and includes assembly and installation hardware.

Top-Mount Cable Waterfall Tray

Use at the top of rack to guide patch cords side-to-side or rack-to-rack. One Top-Mount Cable Waterfall Tray is included with each rack. 6"W x 5.2"D (152 mm x 132 mm) steel tray with adjustable radius bends.

Cable Guide Kit

T-shaped cable guides (7U) snap onto the front or rear of the rack to organize cables. The openings align with each rack-mount unit on the rack. Includes cable guides for one side (front or rear) of the rack.

Side Panel

Solid, steel side panel used to cover the end of the rack and/or vertical cable managers at the end of a row. Matches the height and depth of rack, steel.

Fixed Equipment Mounting Rail

Additional pair of equipment mounting rails, which attach to the rear rack frame to create a solution with two mounting depths set between 15"D (381 mm) and the rack depth. Includes installation hardware.
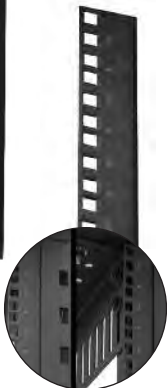
Part Number	Description	Shipping Weight lb (kg)
15285-X01	Equipment Rail, for 23.62" (600 mm) Racks	7 (3.2)
15285-X02	Equipment Rail, for 35.43" (900 mm) Racks	11 (5.0)
15275-X01	Top-Mount Cable Waterfall Tray	14 (6.4)
15286-001	Cable Guide, for 38U Racks, Black	5 (2.3)
15286-003	Cable Guide, for 45U Racks, Black	6 (2.7)
15286-015	Cable Guide, for 51U Racks, Black	7 (3.2)
15270-X01	Side Panel, 23.62"D x 72"H	51 (23.1)
15270-X02	Side Panel, 23.62"D x 84"H	57 (25.9)
15270-X03	Side Panel, 23.62"D x 96"H	48 (21.8)
15270-X04	Side Panel, 35.43"D x 72"H	63 (28.6)
15270-X05	Side Panel, 35.43"D x 84"H	71 (32.2)
15270-X06	Side Panel, 35.43"D x 96"H	60 (27.2)
15259-X01	Fixed Rail, Threaded, for 38U Racks	20 (9.1)
15259-X03	Fixed Rail, Threaded, for 45U Racks	23 (10.4)
15259-X15	Fixed Rail, Threaded, for 51U Racks	26 (11.8)
15260-X01	Fixed Rail, Square-Punched, for 38U Racks	19 (8.6)
15260-X03	Fixed Rail, Square-Punched, for 45U Racks	22 (10.0)
15260-X15	Fixed Rail, Square-Punched, for 51U Racks	25 (11.3)

X=Color; 1=Gray, 2=Computer Beige, 7=Black, E=Glacier White

Adjustable QuadraRack® (AQR) and ServerRack (ASR)

The Adjustable QuadraRack® and the Adjustable ServerRack provide a sturdy, cost-effective solution for supporting rack-mount network, computer server and data storage equipment in data centers, computer equipment rooms and other IT facilities. Both racks offer the strength and stability of an enclosure in an open four-post frame that provides easy access to equipment and cabling.

Each rack will support up to 2000 lb (907.2 kg) of equipment. The corner posts are C-shaped equipment mounting channels that provide front and rear support for 19"W rack-mount equipment or shelves. The front and rear frames are welded to reduce assembly time. Four brackets connect the front and rear corners of the rack. The rack is available in four heights and four depth ranges. The front-to-rear depth of the mounting channels can be adjusted up to 5.91" (150 mm) in depth in .98" (25 mm) increments during assembly. The mounting channels are fixed in place once assembled to surround and protect equipment.

The Adjustable QuadraRack has threaded mounting holes that make installation time of patch panels, fiber enclosures and network switches shorter. Adjustable ServerRack has square-punched holes that let you change mounting hardware (cage nuts) to match specific computer server and data storage equipment mounting requirements. Each rack-mount unit is marked on the channels, making it easy to locate and position equipment. A second set of holes along the sides of the channels lets you add optional side-mounted Equipment Support Rails that use no additional rack-mount space.

Features:

- Open design for unrestricted airflow and easy access to equipment and cabling
- Self-squaring assembly with welded front and rear frames reduces assembly time
- Mounting channels adjust in depth to provide front and rear support for equipment
- Maximizes floor space with a minimal rack footprint
- Rack components are bonded together during assembly
- Includes a Two Mounting Hole Ground Terminal Block for easy attachment to the Telecommunications Grounding Busbar
- Choose square-punched or threaded equipment mounting holes
- Rack-mount unit spaces are marked on the mounting channels
- Easy to bay together to create multi-rack configurations
- Use with any CPI Cabling Section to manage cables
- Support large equipment on heavy-duty shelves or on side-mounted Equipment Support Rails
- UL Listed; File E227626; Category NWIN (US), NWIN7 (Canada) – Information Technology and Communications Equipment Cabinet, Enclosure and Rack
- Supports 2000 lb (907.2 kg) of equipment

ADJUSTABLE 4-POST RACK

Front View

A B

17.78"
(451.6 mm)
Opening

18.31"
(465.1 mm)
Hole Centers

20.31
(515.9 mm)

Side View

C

A   A
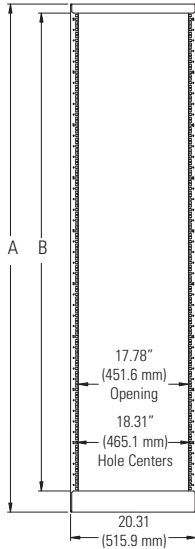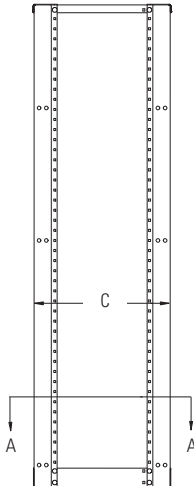
Adjustable QuadraRack® and ServerRack, 19"	
1521	19" Adjustable 4-Post Racks

	Mounting Hole Style	Mounting Channel Depth Range (C) in (mm)
1	Square-Punched	15.75 to 21.65 (400 to 550)
2	Square-Punched	22.64 to 28.54 (575 to 725)
3	Square-Punched	29.53 to 35.43 (750 to 900)
4	Square-Punched	36.42 to 42.32 (925 to 1075)
5	#12-24 Threaded	15.75 to 21.65 (400 to 550)
6	#12-24 Threaded	22.64 to 28.54 (575 to 725)
7	#12-24 Threaded	29.53 to 35.43 (750 to 900)
8	#12-24 Threaded	36.42 to 42.32 (925 to 1075)

	Color
1	Gray
2	Computer Beige
7	Black
E	Glacier White

	Height		
	U	(A) - in (mm)	(B) - in (mm)
01	38	72 (1800)	67 (1700)
03	45	84 (2100)	79 (2000)
15	51	96 (2400)	91 (2300)
08	58	108 (2740)	103 (2620)

1521	X	-	X	XX

Note: Mounting channel depth adjusts in .98" (25 mm) increments during assembly. The mounting depth is fixed once the rack is assembled. See the table on next page for a list of mounting channel depth settings by part number.
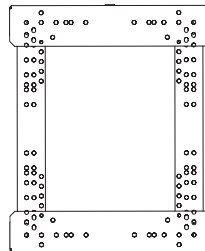
See next page for mounting channel details.

CPI: 800-834-4969

Bottom View - Section A-A

D   E C

16.00"
(406.4 mm)

1.64"
(41.6 mm)

20.31"
(515.9 mm)

2.16"
(54.7 mm)
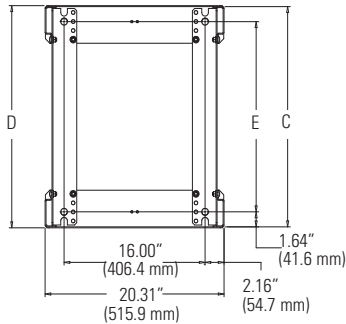
Notes:
1. There are seven depth settings for each part number
   as listed in the table.
2. Each rack adjusts front-to-rear in depth up to 5.91"
   (150 mm) in .98" (25 mm) increments.
3. Rack mounting channel depth is fixed once assembled.
4. Overall Depth (D) is Channel Depth (C) + .21" (5.3 mm).
5. Floor Mounting Holes (E) are Channel Depth (C) - 3.28"
   (83.3 mm).

Mounting Channel Depth Settings and Dimensions by Part Number							
Part Numbers		Channel Depth (C)		Overall Depth (D)		Floor Mounting Holes (E)	
		in	mm	in	mm	in	mm
15215-XXX	15211-XXX	15.75	400	15.96	405.4	12.47	316.7
		16.73	425	16.94	430.3	13.45	341.6
		17.72	450	17.93	455.4	14.44	366.8
		18.70	475	18.91	480.3	15.42	391.7
		19.69	500	19.90	505.5	16.41	416.8
		20.67	525	20.88	530.4	17.39	441.7
		21.65	550	21.86	555.2	18.37	466.6
15216-XXX	15212-XXX	22.64	575	22.85	580.4	19.36	491.7
		23.62	600	23.83	605.3	20.34	516.6
		24.61	625	24.82	630.4	21.33	541.8
		25.59	650	25.80	655.3	22.31	566.7
		26.57	675	26.78	680.2	23.29	591.6
		27.56	700	27.77	705.4	24.28	616.7
		28.54	725	28.75	730.3	25.26	641.6
15217-XXX	15213-XXX	29.53	750	29.74	755.4	26.25	666.8
		30.51	775	30.72	780.3	27.23	691.6
		31.50	800	31.71	805.4	28.22	716.8
		32.48	825	32.69	830.3	29.2	741.7
		33.46	850	33.67	855.2	30.18	766.6
		34.45	875	34.66	880.4	31.17	791.7
		35.43	900	35.64	905.3	32.15	816.6
15218-XXX	15214-XXX	36.42	925	36.63	930.4	33.14	841.8
		37.40	950	37.61	955.3	34.12	866.6
		38.39	975	38.60	980.4	35.11	891.8
		39.37	1000	39.58	1005	36.09	916.7
		40.35	1025	40.56	1030	37.07	941.6
		41.34	1050	41.55	1055	38.06	966.7
		42.32	1075	42.53	1080	39.04	991.6

Solid and Vented Shelves

Supports heavy peripheral equipment. 1U x 19"W steel, shelf with adjustable depth rear mounting brackets with solid or vented support surface; 17.68"W (449.1 mm) . Supports 200 lb (90.7 kg) of equipment; includes assembly hardware.

15245-X01

15255-X01

Shelves		Shelf Depth in (mm)	Mounting Channel Depth in (mm)	Shipping Weight lb (kg)
Solid	Vented			
15245-X01	15255-X01	13.84 (351.5)	15.75 to 21.65 (400 to 550)	10 (4.5)
15245-X02	15255-X02	20.73 (526.5)	22.64 to 28.54 (575 to 725)	12 (5.4)
15245-X03	15255-X03	27.62 (701.6)	29.53 to 35.43 (750 to 900)	15 (6.8)
15245-X04	15255-X04	34.51 (876.6)	36.42 to 42.32 (925 to 1075)	18 (8.2)

X=Color; 1=Gray, 2=Computer Beige, 7=Black, E=Glacier White

15235-X01

12700-X19

15205-X01

15330-X01

15335-X01

Adjustable 4-Post Rack Accessories

Equipment Support Rail

Additional support for heavy rack-mount equipment. Attaches to the side of rack and provides a 1.5"W (38 mm) front-to-rear support surface for equipment. Supports 200 lb (90.7 kg) of equipment; includes assembly and installation hardware.

Extra Heavy Duty Sliding Shelf

This 2U x 19"W sliding shelf with adjustable depth rear mounting brackets attaches to rack channels set 20.62" to 32.48"D (525 to 825 mm). Solid surface is 15.5"W x 26"D (393.7 mm x 660 mm) and extends 24" (609 mm) and locks in the open and closed positions. Supports 300 lb (136 kg) of equipment.

Cable Runway Mounting Bracket

Attaches Runway to the top of the Adjustable QuadraRack or ServerRack. Aligns with the front, rear, or side of the rack and supports 6"W to 24"W (150 mm to 600 mm) CPI Cable Runway. S-shaped, steel bracket measures 1.0"H x 3.3"W x 24.4"L (25 mm x 84 mm x 620 mm) and includes mounting hardware.

Center Rail

Provides an additional pair of steel mounting rails for rack-mount equipment. One pair of 19"W mounting rails with square-punched or threaded equipment mounting rails. Adjustable depth - attach the rails at any point along the side of the rack, marked and numbered rack-mount spaces simplify equipment installation. Maximum mount depth is 6" (152 mm) less than the channel depth of the rack. 1000 lb (453.6) equipment load bearing capacity when used as an independent pair or rails; rack load remains 2000 lb (907.2) when Center Rail is used as the front or rear pair of four-point mounting solution.
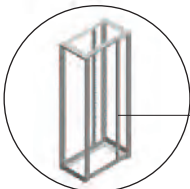
Part Number	Description	Shipping Weight lb (kg)
15235-X01	Equipment Rail, 15.75 to 19.69 (400 to 500) D	5 (2.3)
15235-X02	Equipment Rail, 20.67 to 24.61 (525 to 625) D	6 (2.7)
15235-X03	Equipment Rail, 25.59 to 29.53 (650 to 750) D	7 (3.2)
15235-X04	Equipment Rail, 30.51 to 34.45 (775 to 875) D	9 (4.1)
15235-X05	Equipment Rail, 35.43 to 39.37 (900 to 1000) D	10 (4.5)
15235-X06	Equipment Rail, 40.35 to 44.29 (1025 to1125) D	12 (5.4)
12700-X19	Extra Heavy Duty Solid Shelf, 19"W	51 (23.1)
15275-X01	Top-Mount Cable Waterfall Tray	14 (6.4)
15330-X01	Center Rail, Square Punched, 38U, 72 (1800) H	20 (9.1)
15330-X03	Center Rail, Square Punched, 45U, 84 (2100) H	23 (10.4)
15330-X15	Center Rail, Square Punched, 51U, 96 (2400) H	26 (11.8)
15330-X08	Center Rail, Square Punched, 58U, 108 (2740) H	29 (13.2)
15335-X01	Center Rail, Threaded #12-24, 38U, 72 (1800) H	20 (9.1)
15335-X03	Center Rail, Threaded #12-24, 45U, 84 (2100) H	23 (10.4)
15335-X15	Center Rail, Threaded #12-24, 51U, 96 (2400) H	26 (11.8)
15335-X08	Center Rail, Threaded #12-24, 58U, 108 (2740) H	29 (13.2)
15205-X01	Cable Runway Mounting Bracket, for 6 to 24 (150 to 600) W Cable Runway	5 (2.3)

X=Color; 1=Gray, 2=Computer Beige, 7=Black, E=Glacier White

QuadraRack® Server Frame

Designed specifically for rack-mount servers, the QuadraRack® Server Frame offers the strength and stability of a cabinet, but in an open mounting system. Providing easy access for simplified installation and cabling, the QuadraRack Server Frame offers unrestricted airflow for improved cooling and heat dissipation. The unique, steel C-shaped channels with square holes and horizontal braces, were designed to provide optimal torsional strength. We've made the horizontal braces quick and easy to install with the supplied carriage bolts. Since rack-mount servers require various types of mounting screws, cage nuts provide the flexibility.

- 19" EIA width
- Manufactured from aluminum and steel
- Available in powder coat color finishes (Gray, Computer Beige, Black or Glacier White)
- EIA-310-D Standard Universal 5/8"-5/8"-1/2" (15.9 mm-15.9 mm-12.7 mm) alternating hole pattern
- Square-punched mounting holes adapt with cage nuts (listed below) to match equipment mounting requirements
- Top Extension Pan Set provides two 6" x 16" (150 mm x 410 mm) cable access ports
- Frame depth is 29" (740 mm) with overall depth of 41" (1040 mm) from edge-to-edge of base angles
- Load Rating: 1000 lb (453.6 kg) — weight must be evenly distributed, and rack must be properly secured to the floor

QuadraRack Server Frame Kit includes:

- (4) Rack Channels
- (2) Base Angles
- (2) Top Angles
- (1) Extension Pan Set
- (8) Plate Nuts and Assembly Hardware
- (2) Horizontal Braces

Steel Channels with square holes adapt to server mounting screws

Part Number	Description H x W x D Height - ft (m), Depth - in (mm)	Shipping Weight lb (kg)
15053-X03	7 (2.1) x 19 x 29 (740), 45U	77 (34.9)

X=Color; 1=Gray, 2=Computer Beige, 7=Black, E=Glacier White

Square-Punched Hardware Kits (sold separately)				
Part Number	Nominal Size	Package Of	Finish	Shipping Weight lb (kg)
12637-001	M-6	25	Gold Over Zinc	1 (0.5)
12638-001	10-32	25	Zinc	1 (0.5)
12639-001	12-24	25	Black	1 (0.5)

QuadraRack® 4-Post Frame

The QuadraRack® 4-Post Frame offers the strength and stability of a cabinet in an open mounting system. Enjoy easy equipment installation, along with unrestricted airflow for improved cooling and heat dissipation.

- 19" EIA width
- Manufactured from aluminum
- EIA-310-D Standard Universal 5/8"-5/8"-1/2" (15.9 mm-15.9 mm-12.7 mm) alternating hole pattern, mounting holes are roll-formed #12-24
- Ships unassembled
- Load Rating: 2000 lb (907.2 kg) — weight must be evenly distributed, and rack must be properly secured to the floor

QuadraRack 4-Post Frame Kit includes:

- (4) Rack Channels
- (2) Base Angles
- (2) Top Angles
- (1) Extension Pan Set
- (1) Bag of 100 Rack mounting screws — Pilot Point #12-24 with combination Phillips/Straight head

Part Number	Description H x W x D Height - ft (m), Depth - in (mm)	Shipping Weight lb (kg)
50120-X03	7 (2.1) x 19 x 29 (740), 45U	65 (29.5)
50120-X15	8 (2.4) x 19 x 29 (740), 51U	67 (30.4)
50120-X08	9 (2.7) x 19 x 29 (740), 58U	69 (31.3)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White

Not intended for rack-mount servers

ExpandaRack

Convert a CPI two-post rack to a QuadraRack with ExpandaRack.

Part Number	Description H x W x D Height - ft (m), Depth - in (mm)	Shipping Weight lb (kg)
ExpandaRack - Standard Rack		
50110-X03	7 (2.1) x 19 x 29 (740), 45U	46 (20.9)
50110-X15	8 (2.4) x 19 x 29 (740), 51U	48 (21.8)
50110-X08	9 (2.7) x 19 x 29 (740), 58U	50 (22.7)
ExpandaRack - Universal Rack		
50130-X03	7 (2.1) x 19 x 29 (740), 45U	52 (23.6)
50130-X15	8 (2.4) x 19 x 29 (740), 51U	55 (24.9)
50130-X08	9 (2.7) x 19 x 29 (740), 58U	58 (26.3)
ExpandaRack - Pan Set (W x D)		
50150-X99	19 x 29 (740) — Standard Rack	18 (8.2)
50160-X99	19 x 29 (740) — Universal Rack	18 (8.2)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White

1U

16351-X19

1U

16350-X19

2U

12700-X19

3U

16356-X19

16341-X19

QuadraRack® Accessories

Heavy Duty Fixed Shelf – Solid
Specially designed for QuadraRack. 1U x 19"W x 29"D (740 mm) shelf. Supports up to 200 lb (90.7 kg).

Heavy Duty Fixed Shelf – Vented
Specially designed for QuadraRack. 1U x 19"W x 29"D (740 mm) vented shelf that optimizes airflow. Supports up to 200 lb (90.7 kg).

Extra Heavy Duty 4-Point Sliding Shelf
Specially designed to support heavy equipment. 2U x 19"W x 26"D (660 mm) sliding shelf, extends 24" (610 mm), adjusts between 20" and 34" (510 mm and 860 mm) mounting depth. Supports up to 300 lb (136.1 kg).

Equipment Tie-Down Bracket
Prevents back-and-forth, side-to-side and up-and-down movement of shelf-mount equipment. 3U x 19"W x 23"D (580 mm).

Dust Cover
Improves the appearance of QuadraRack 4-Post Frame and prevents the accumulation of dust and debris at the base.

Power Strips
Both horizontal and vertical power strips can be mounted to the QuadraRack. These solutions can be found in Section 7.

Part Number	Description	Shipping Weight lb (kg)
16351-X19	Heavy Duty Fixed Shelf, Solid	11 (5.0)
16350-X19	Heavy Duty Fixed Shelf, Vented	11 (5.0)
12700-X19*	Extra Heavy Duty Sliding Shelf*	8 (3.6)
16342-X01	Rack Line-Up Spacer, Universal	1 (0.5)
16342-X02	Rack Line-Up Spacer, Standard	1 (0.5)
16356-X19	Equipment Tie-Down Bracket	4 (1.8)
16341-X19	Rack Base Dust Cover	4 (1.8)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White
*Not available in Clear.

2U

10758-X01

3.44" (87.4 mm)
6.00" (152.4 mm)
10.00" (254.0 mm)

3U

c (UL) us
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40074-X00

5.19" (131.8 mm)
12.00" (304.8 mm)
15.00" (381.0 mm)

3U

40117-X19

2U

11293-X19

3.47" (88.1 mm)
8.09" (205.5 mm)
16.00" (406.4 mm)
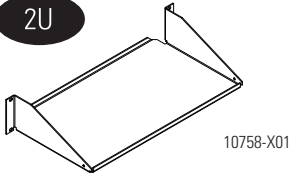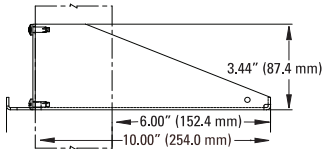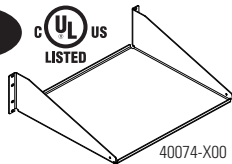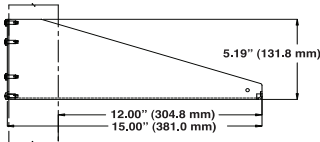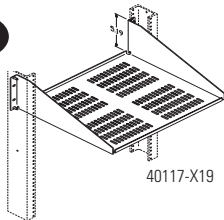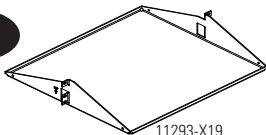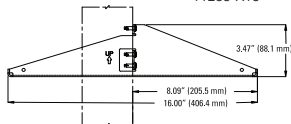
Small Peripheral Shelf

Designed to hold small peripheral equipment in a central location. Each shelf typically holds two units and allows a convenient cable run down the inside of the rack channel. Mounting hardware not included. 19" rack mountable, holds equipment up to 17.35"W x 9.82"D (440.7 mm x 249.4 mm). Made of strong, lightweight aluminum; supports up to 50 lb (22.7 kg).

Single-Sided Shelf

A convenient 15"D (380 mm) mounting shelf for miscellaneous equipment, test gear, etc. Mounting hardware not included. 19" version holds equipment up to 17.25"W x 14.82"D (438.2 mm x 376.4 mm), 23" version holds equipment up to 21.25"W x 14.82"D (539.8 mm x 376.4 mm). Made of strong, lightweight aluminum; supports up to 50 lb (22.7 kg). 19" version is UL Listed: File E140851; Category DUXR (US), DUXR7 (Canada) – Communications Circuit Accessory.

Single-Sided Vented Shelf

Supports routers, switches, CPUs or any equipment requiring bottom ventilation. Mounting hardware not included. 19" version holds equipment up to 17.25"W x 14.82"D (438.2 mm x 376.4 mm), 23" version holds equipment up to 21.25"W x 14.82"D (539.8 mm x 376.4 mm). Wall, backboard or rack mountable. Made of strong, lightweight aluminum with airflow perforations; supports up to 50 lb (22.7 kg).

16"D (410 mm) Low Profile Shelf

Reduced height design saves on valuable rack space. Center mount design is ideal for single sided racks, mounts to either front or back of rack channel face. Mounting hardware not included. 19" version holds equipment up to 17.25"W x 15.82"D (438.2 mm x 401.8 mm), 23" version holds equipment up to 21.25"W x 15.82"D (539.8 mm x 401.8 mm). Made of strong, lightweight aluminum; supports up to 40 lb (18.1 kg).

Part Number	Description	Shipping Weight lb (kg)
10758-X01	Small Peripheral Shelf, 19"W	5 (2.3)
40074-X00	Single-Sided Shelf, For 19" Rack	6 (2.7)
40075-X00	Single-Sided Shelf, For 23" Rack	7 (3.2)
40117-X19	Single-Sided Vented Shelf, For 19" Rack	6 (2.7)
40118-X23	Single-Sided Vented Shelf, For 23" Rack	7 (3.2)
11293-X19	Low Profile Shelf, For 19" Rack	4 (1.8)
11293-X23	Low Profile Shelf, For 23" Rack	5 (2.3)

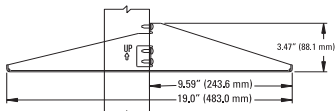*X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White*

3U

40750-X19

4.10" (104.1 mm)

12.00" (304.8 mm)
15.00" (381.0 mm)

3U

40751-X19

4.80" (121.9 mm)   4.25" (108.0 mm)

9.37" (238.0 mm)
10.84" (275.3 mm)

2U

11294-X19

3.47" (88.1 mm)

UP

9.59" (243.6 mm)
19.0" (483.0 mm)

5U

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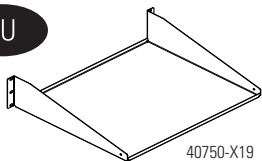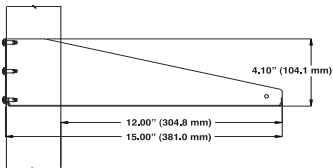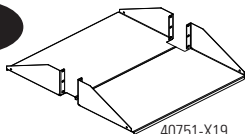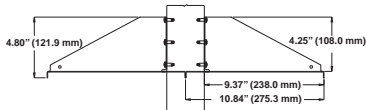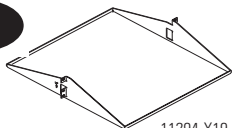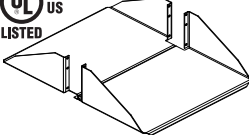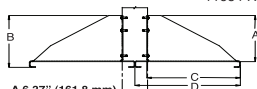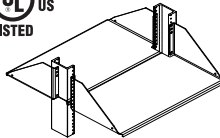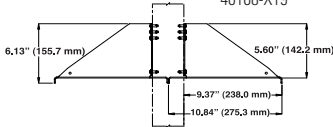
11054-X19

A 6.37" (161.8 mm)
B 7.16" (181.9 mm)
C 11.53" (292.9 mm)
D 13.00" (330.2 mm)

B   A
C
D

Standard Single-Sided Steel Shelf

Economical rack or wall-mounted shelf for miscellaneous equipment. Made of cold-rolled steel and may be rack or wall-mounted. 19" rack-mountable, holds equipment up to 17.25"W x 14.75"D (438.2 mm x 374.7 mm). Sold two per shipping carton; supports up to 35 lb (15.9 kg).

Standard Double-Sided Steel Shelf

An economical rack or wall-mounted shelf with twice the shelf space for centered loading and deeper equipment handling. Made of cold-rolled steel, this shelf mounts on double-sided racks only. 19" rack mountable, holds equipment up to 17.25"W x 21.50"D (438.2 mm x 546.1 mm) and supports up to 25 lb (11.3 kg) per side or 50 lb (22.7 kg) total.

19"D (480 mm) Low Profile Shelf

Reduced height design saves on valuable rack space. Mounts to either front or back of rack channel face. Mounting hardware not included. 19" version holds equipment up to 17.25"W x 18.82"D (438.2 mm x 478.0 mm), 23" version holds equipment up to 21.25"W x 18.82"D (539.8 mm x 478.0 mm) Made of strong, lightweight aluminum; supports up to 40 lb (18.1 kg).

26"D (660 mm) Shelf

Extra deep design is convenient for mounting large equipment requiring additional support. Will fit inside most CPI rack enclosures, except P/N 11058 or wall enclosure). Mounting hardware not included. 19" version holds equipment up to 17.75"W x 25.8"D (450.9 mm x 655.8 mm), 23" version holds equipment up to 21.75"W x 25.8"D (552.5 mm x 655.8 mm). Made of strong, lightweight aluminum; supports up to 150 lb (68.0 kg). 19" version is UL Listed: File E140851; Category DUXR (US), DUXR7 (Canada) – Communications Circuit Accessory.

Part Number	Description	Shipping Weight lb (kg)
40750-719	Standard Single-Sided Steel Shelf, Black	12 (5.4)
40751-719	Standard Double-Sided Steel Shelf, Black	10 (4.5)
11294-X19	Low Profile Shelf, For 19" Rack	5 (2.3)
11294-X23	Low Profile Shelf, For 23" Rack	6 (2.7)
11054-X19	26"D (660 mm) Shelf, For 19" Rack	10 (4.5)
11054-X23	26"D (660 mm) Shelf, For 23" Rack	10 (4.5)

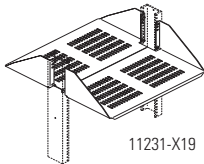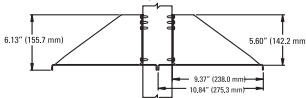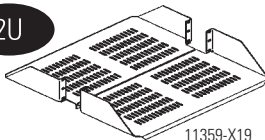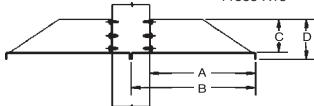*X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White*

SHELVES

4U

40108-X19

6.13" (155.7 mm)   5.60" (142.2 mm)
9.37" (238.0 mm)
10.84" (275.3 mm)

4U

11231-X19

6.13" (155.7 mm)   5.60" (142.2 mm)
9.37" (238.0 mm)
10.84" (275.3 mm)

2U

11359-X19

A 8.53" (216.7 mm)
B 10.0" (254.0 mm)
C 2.91" (73.9 mm)
D 3.53" (89.7 mm)

Double-Sided Shelf

Provides centered loading for deeper and heavier equipment. Mounts on 3"D (80 mm) double-sided racks only. Mounting hardware not included. 19" version holds equipment up to 17.75"W x 21.5"D (450.9 mm x 546.0 mm), 23" version holds equipment up to 21.75"W x 21.5"D (552.5 mm x 546.0 mm). Made of strong, lightweight aluminum; supports up to 100 lb (45.4 kg). 19" version is UL Listed: File E140851; Category DUXR (US), DUXR7 (Canada) – Communications Circuit Accessory.

Double-Sided Vented Shelf

Convenient for mounting any equipment requiring bottom ventilation, airflow perforations for increased airflow around components. Mounting hardware not included. 19" version holds equipment up to 17.75"W x 21.5"D (450.9 mm x 546.0 mm), 23" version holds equipment up to 21.75"W x 21.5"D (552.5 mm x 546.0 mm). Made of strong, lightweight aluminum; supports up to 100 lb (45.4 kg).

Double-Sided Low Profile Vented Shelf

Reduced height design saves valuable rack space and perforated shelf keeps equipment cool, bottom ventilation for enhanced airflow circulation. Mounting hardware not included. 19" version holds equipment up to 17.75"W x 19.8"D (450.9 mm x 503.4 mm). Mounts on 3"D (80 mm) double-sided racks only. Made of strong, lightweight aluminum; supports up to 60 lb (27.2 kg).

| Part Number	Description	Shipping Weight lb (kg)
40108-X19	Double-Side Shelf, For 19" Rack	8 (3.6)
40108-X23	Double-Side Shelf, For 23" Rack	9 (4.1)
11231-X19	Double-Side Vented Shelf, For 19" Rack	8 (3.6)
11232-X23	Double-Side Vented Shelf, For 23" Rack	9 (4.1)
11359-X19	Low Profile Vented Shelf For 19" Rack	8 (3.6)
11359-X23	Low Profile Vented Shelf For 23" Rack	9 (4.1)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White
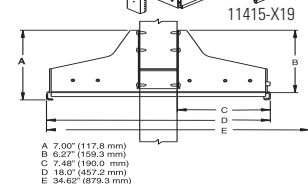
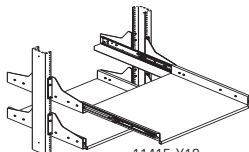5U

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11164-X19
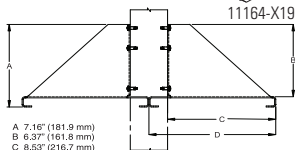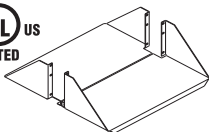
A 7.16" (181.9 mm)
B 6.37" (161.8 mm)
C 8.53" (216.7 mm)
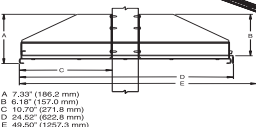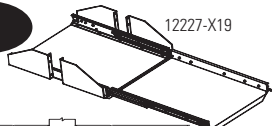D 10.0" (254.0 mm)

5U

12293-X19
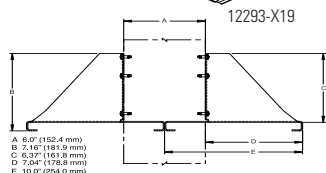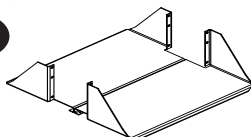
A 6.0" (152.4 mm)
B 7.16" (181.9 mm)
C 6.37" (161.8 mm)
D 7.04" (178.8 mm)
E 10.0" (254.0 mm)

4U

11415-X19

A 7.00" (117.8 mm)
B 6.27" (159.3 mm)
C 7.48" (190.0 mm)
D 18.0" (457.2 mm)
E 34.62" (879.3 mm)

4U

12227-X19

A 7.33" (186.2 mm)
B 6.18" (157.0 mm)
C 10.70" (271.8 mm)
D 24.52" (622.8 mm)
E 49.50" (1257.3 mm)

Heavy Duty Equipment Shelf for 3" (80 mm) Channel

Convenient for mounting large equipment requiring additional support. Mounting hardware not included. 19" version holds equipment up to 17.75"W x 19.8"D (450.9 mm x 503.4 mm), 23" version holds equipment up to 21.75"W x 19.8"D (552.5 mm x 503.4 mm). Made of strong, lightweight aluminum; supports up to 200 lb (90.7 kg). 19" version is UL Listed: File E140851; Category DUXR (US), DUXR7 (Canada) – Communications Circuit Accessory.

Heavy Duty Equipment Shelf for 6" (150 mm) Channel

This shelf is designed to hold heavy equipment requiring extra support. Fits Standard Rack 6"D (150 mm) and Seismic Frame® Two Post Rack. Mounting hardware not included. 19" version holds equipment up to 17.75"W x 19.8"D (450.9 mm x 503.4 mm). Made of strong, lightweight aluminum; supports up to 200 lb (90.7 kg).

Sliding Equipment Shelf

Provides a sliding shelf for front access to all equipment. Mounting hardware not included. 18"D (460 mm) shelf extends out an additional 16" (410 mm) from closed position. Lockable in fully extended and fully retracted positions. 19" version holds up to 16"W x 17.5"D (410 mm x 445 mm) equipment, 23" version holds up to 20"W x 17.5"D (510 mm x 445 mm) equipment. Mounts on 3"D (80 mm) double-sided racks only. Made of sturdy, lightweight aluminum; supports up to 100 lb (45.4 kg).

Extra-Extended Sliding Equipment Shelf

Provides a full 25" (640 mm) extension. It is easy to access the back of network servers (or other large equipment). Mounting hardware not included. 19" holds up to 16"W x 24"D (410 mm x 610 mm) equipment, 23" holds up to 20"W x 24"D (510 mm x 610 mm) equipment. Shelf locks in closed or fully open position, and ships fully assembled. Strong, lightweight aluminum construction; supports up to 150 lb (68 kg).
*Note: To prevent tipping, rack must be properly attached to floor.*

| Part Number	Description	Shipping Weight lb (kg)
11164-X19	Heavy Duty Shelf for 3" (80 mm) Channel, For 19" Rack	8 (3.6)
11164-X23	Heavy Duty Shelf for 3" (80 mm) Channel, For 23" Rack	9 (4.1)
12293-X19	Heavy Duty Shelf for 6" (150 mm) Channel, For 19" Rack	10 (4.5)
11415-X19	Sliding Equipment Shelf, For 19" Rack	13 (5.9)
11415-X23	Sliding Equipment Shelf, For 23 Rack	13 (5.9)
12227-X19	Extra-Extended Shelf, For 19" Rack	10 (4.5)
12227-X23	Extra-Extended Shelf, For 23 Rack	10 (4.5)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White
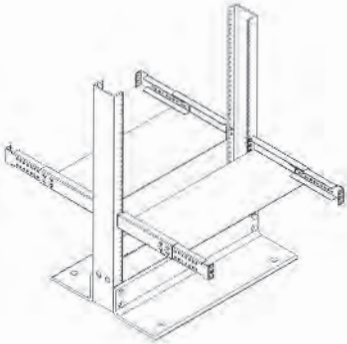
A split-pan design provides a broader surface area to support server weight
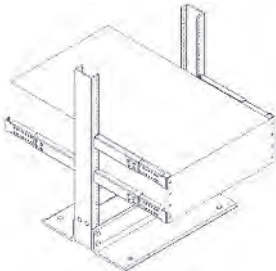
anyServer Bracket shown on rack with server and optional Server Support Arms
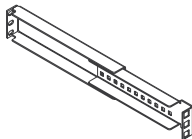
Optional Server Support Arm

anyServer Bracket

The anyServer Bracket is a simple, yet sturdy solution to secure virtually any server to a 19"W, two-post open rack. It is the ideal, cost-effective system for retrofitting existing racks to accommodate one or more servers, instead of reverting to a four-post rack or cabinet system. The anyServer Bracket can be adjusted to fit all of your server's requirements, enabling you to keep the same mounting system — even if you change equipment in the future.

Purchase optional Supplementary Server Support Arms to firmly secure the tops of tall servers to the rack. In some instances, they can also help you mount your server if its captive screw holes are in the middle or top of the device.

The anyServer Bracket comes with front and rear steel pans and four steel adjustable arms (with mounting hardware).
- Manufactured from cold rolled steel
- The server can be positioned 9" to 13" (230 mm to 330 mm) in front of the rack channel; mounting arms extend 4" (100 mm) total in .5" (10 mm) increments
- Square holes at the front of adjustable mounting arms for cage nuts (sold separately)
- Acorn nuts eliminate sharp edges
- Supplementary arms (purchased separately) provide extra support
- Load rating:
  - 1U bracket is 80 lb (36.3 kg)
  - 2U bracket is 120 lb (54.4 kg)
- Rack mounting hardware is not included

Part Number	Description H x W (in)	Shipping Weight lb (kg)
12751-719	1U x 19, Black Bracket	11 (5.0)
12752-719	2U x 19, Black Bracket	14 (6.4)
12759-701	Supplementary Server Support Arms, Fixed, 1 Pair, 1U, Black	3 (1.4)

Square-Punched Hardware Kits (sold separately)				
Part Number	Nominal Size	Package Of	Finish	Shipping Weight lb (kg)
12637-001	M-6	25	Gold Over Zinc	1 (0.5)
12638-001	10-32	25	Zinc	1 (0.5)
12639-001	12-24	25	Black	1 (0.5)

Redesigned to allow stackable units

Drawer with two-post mounting brackets

Drawer with four-post mounting brackets

Lockable Storage Drawer

CPI's improved Lockable Storage Drawer keeps backup media, software, manuals, laptops, test equipment and extra patch cords in close proximity to where they are typically used within a rack or cabinet.

Lockable Storage Drawer is available for 19"W or 23"W racks and cabinets. It includes attachment brackets that allow center mounting on two-post racks with 3" or 6"D (80 mm or 150 mm) equipment channels, or front and rear attachment to four-post racks and cabinet systems with mounting rails that are adjusted between 24" and 39"D (610 mm and 990 mm).

• Attaches to any CPI freestanding 19"W or 23"W rack or cabinet system
• Available in three heights: 2U, 3U and 4U
• Features 20"D (510 mm) lockable drawer that extends full depth for easy access to stored equipment
• Redesigned to allow for stackable units
• Supports a 100 lb (45.4 kg) load (drawer and top surface combined)

Part Number	Description	Shipping Weight lb (kg)
19" Rack or Cabinet Mount Depth - in (mm)		
13082-X19	2U Drawer, 20 (510)	18 (8.2)
13083-X19	3U Drawer, 20 (510)	20 (9.1)
13084-X19	4U Drawer, 20 (510)	22 (10.0)
23" Rack or Cabinet Mount Depth - in (mm)		
13082-X23	2U Drawer, 20 (510)	21 (9.5)
13083-X23	3U Drawer, 20 (510)	23 (10.4)
13084-X23	4U Drawer, 20 (510)	25 (11.3)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White

# Drawer Dividers For Lockable Storage Drawer

Divide your Lockable Storage Drawer into three sections, approximately 5"W (130 mm) each, to organize and store CD and tape cases. For use with the 3U and 4U drawers only.
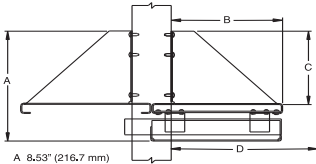

Part Number	Description	Shipping Weight lb (kg)
13185-X01	Divider, 3U & 4U Drawers	3 (1.4)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White
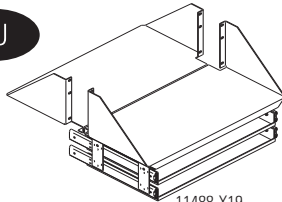
MONITOR/KEYBOARD TRAYS

6U
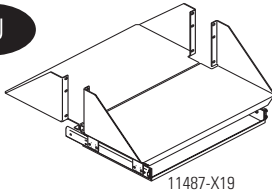
11487-X19
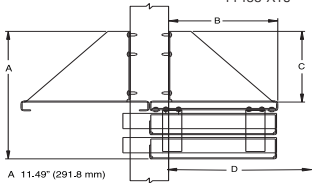
A 8.53" (216.7 mm)
B 9.54" (242.3 mm)
C 6.37" (161.8 mm)
D 17.12" (434.8 mm)

7U

11488-X19

A 11.49" (291.8 mm)
B 8.53" (216.7 mm)
C 6.37" (161.8 mm)
D 17.12" (434.8 mm)

2U

12062-X19

2.86" (72.6 mm)
3.27" (83.1 mm)
7.20" (182.9 mm)
15.88" (403.4 mm)
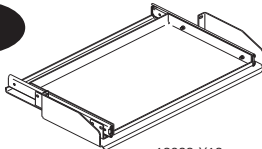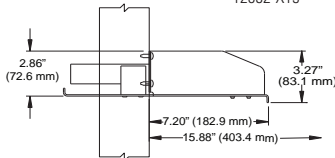
CPU/Monitor Shelf with Single Sliding Keyboard Tray

Provides convenient mounting of CPU or monitor and keyboard. Mounting hardware not included. Keyboard tray extends 8.6" (218 mm), 19"W rack trays must use small footprint keyboard; maximum width 16.30" (414 mm). 19" holds equipment up to 17.75"W x 19.82"D (450.9 mm x 503.4 mm), 23" holds equipment up to 21.75"W x 19.82"D (552.5 mm x 503.4 mm). Made of strong, lightweight aluminum; supports up to 200 lb (90.7 kg).
Note: Small footprint keyboards are available from CPI.

CPU/Monitor Shelf with Double Sliding Keyboard Tray

Convenient mounting two keyboards. Mounting hardware not included. The keyboard tray extends 8.6" (218 mm). 19"W rack trays must use small footprint keyboard; maximum width 16.30" (414 mm). 19" holds equipment up to 17.75"W x 19.8"D (450.9 mm x 503.4 mm), 23" holds equipment up to 21.75"W x 19.8"D (552.5 mm x 503.4 mm). Made of strong, lightweight aluminum; supports up to 200 lb (90.7 kg).
Note: Small footprint keyboards are available from CPI.
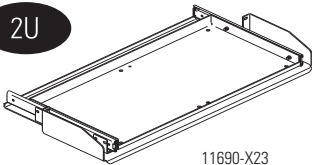
Sliding Single Keyboard Tray

Provides retractable rack-mounting tray for keyboards up to 9.8"D (249 mm). Extends 8" (200 mm), providing full access to keyboard. Retracts out of the way when not in use. 19" version holds up to 16.1"W (409 mm) keyboards, 23" version holds up to 20.1"W (511 mm) keyboards. Mounting hardware not included. Made of strong, lightweight aluminum.

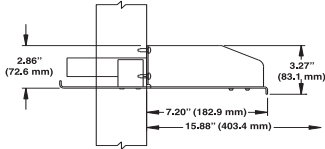| Part Number	Description	Shipping Weight lb (kg)
11487-X19	Monitor Shelf, Single Tray, For 19" Rack	12 (5.4)
11487-X23	Monitor Shelf, Single Tray, For 23" Rack	12 (5.4)
12487-X19	Monitor Shelf, Single Tray, For 19" Rack, with Mouse Pad Tray	12 (5.4)
12487-X23	Monitor Shelf, Single Tray, For 23" Rack, with Mouse Pad Tray	12 (5.4)
11488-X19	Monitor Shelf, Double Tray, For 19" Rack	16 (7.3)
11488-X23	Monitor Shelf, Double Tray, For 23" Rack	16 (7.3)
12062-X19*	Sliding Single Keyboard Tray, For 19" Rack	10 (4.5)
12062-X23	Sliding Single Keyboard Tray, For 23" Rack	10 (4.5)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White

*Must use small footprint keyboard. Also available, Sliding Double Keyboard Tray (P/N 11227-XXX). Visit www.chatsworth.com for details.

2U

11690-X23

2.86"
(72.6 mm)

3.27"
(83.1 mm)

7.20" (182.9 mm)

15.88" (403.4 mm)

1U

15555-X19

2U

12717-X19

3.00"
(76.2 mm)

9.00" (228.6 mm)

12.00" (304.8 mm)

9.00"
(228.6 mm)
EXTENDED

23" Full Size Sliding Keyboard Tray & Mouse

Convenient tray for holding keyboard and mouse. Mounting hardware not included. Keyboard tray extends 8" (200 mm) for full access to all keys. Tray and pad retract when not in use. Holds keyboards up to 20.1"W x 9.8"D (511 mm x 249 mm). 9" x 7" (230 mm x 180 mm) mouse pad mounts in a choice of four convenient locations. Made of strong, lightweight aluminum.

Flush Mounted Sliding Keyboard Tray with Wrist Rest

Space-saving tray requires only 1U (44.45 mm), providing more space for mounting electronics. Ball bearing slides for smooth operation. Locks in open position, and retracts when not in use. 19" version holds up to 16.37"W x 7.67"D (415.8 mm x 194.8 mm) keyboards, 23" version holds up to 20.37"W x 8.67"D (517.4 mm x 220.2 mm) keyboards. Mounting hardware not included. Keyboard tray extends 11" (280 mm) for full access to all keys. Made of strong, lightweight aluminum.
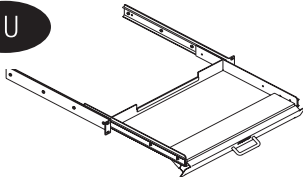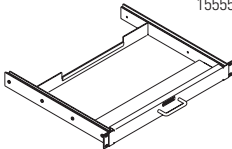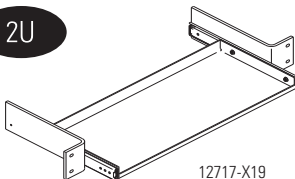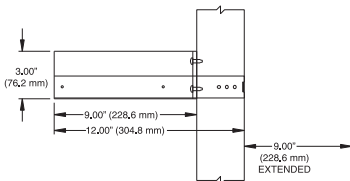
Flush Mounted Keyboard Tray

Provides retractable rack-mounting tray for most keyboards up to 8.5"D (216 mm). Mounting hardware not included. Extends 8" (200 mm), giving full access to keyboard. Retracts when not in use. 19" version holds up to 16.1"W (409 mm) keyboards. Made of strong, lightweight aluminum. This tray does not support the mouse pad attachment.

Part Number	Description	Shipping Weight lb (kg)
11690-X23	23" Full Size Sliding Keyboard & Mouse	12 (5.4)
15555-X19	Flush Mount Sliding Keyboard with Wrist Rest, For 19" Racks	8.5 (3.9)
15556-X23	Flush Mount Sliding Keyboard with Wrist Rest, For 23" Racks	10 (4.5)
12717-X19*	Flush Mount Keyboard Tray, For 19" Racks	8 (3.6)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White

*19" rack tray must use small footprint keyboard.

KEYBOARD TRAYS

2U
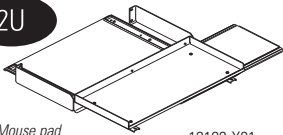
Note: Mouse pad
on right side only

12193-X01

3.03"
(77.0 mm)

2.62"
(66.5 mm)

9.59" (243.6 mm)

18.25" (463.6 mm)

2U

11546-X01

3.03"
(77.0 mm)

2.62"
(66.5 mm)

9.59" (243.6 mm)

18.25" (463.6 mm)

1U

12665-X19

8.28" (210.3 mm)

1.72"
(43.7 mm)

8.50" (215.9 mm)

1U

Keyboard without
tray also available

13490-719

19" Full Size Sliding Keyboard & Mouse Tray

Holds full size keyboard and mouse. Slide is mounted under shelf to provide maximum tray width. Mounting hardware not included. Mouse pad tray is 10"W x 8"D (250 mm x 200 mm) and retracts out of the way when not in use. Fits up to 19.25"W x 9"D (489 mm x 230 mm) keyboards. Extends approximately 9" (230 mm) for full access to keyboard. Made of strong, lightweight aluminum.

19" Full Size Sliding Keyboard Tray

Tray holds full size keyboard with slide mounted under shelf to provide maximum tray width. Mounting hardware not included. Extends approximately 9" (230 mm) for full access to keyboard. Fits up to 19.25"W x 9"D (489 mm x 230 mm) keyboards. Made of strong, lightweight aluminum.
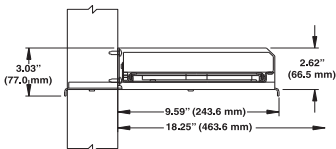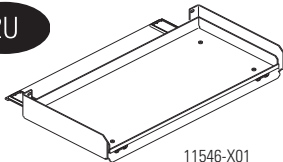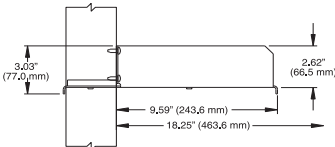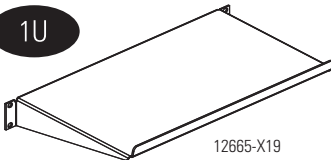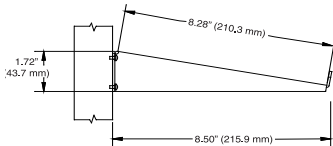*Note: Does not support the mouse pad attachment.*

Keyboard and Tray

The Keyboard and Tray features a built-in touchpad, two PS/2 standard connectors: one for the keyboard and one for the touchpad (mouse). Requires only 1U of space. Slides into the cabinet or rack when not needed. Gold Contact Keyboards provide an extremely clean signal, improving the overall signal integrity. Mounting hardware not included; ships fully assembled.

Space-Saving Stationary Keyboard Shelf

CPI's Space-Saving Stationary Keyboard Shelf was designed to be used in high-density server installations. The shelf incorporates a rigid 10° angled surface for keyboard support, providing comfortable and convenient keyboard positioning and operation. Mounting hardware not included. Available in 19"W or 23"W x 8.28"D (210.3 mm). Made from strong, lightweight aluminum.

Part Number	Description	Shipping Weight lb (kg)
12193-X01*	19" Sliding Keyboard Tray	9 (4.1)
11546-X01	19" Full Size Keyboard Tray	9 (4.1)
12665-X19	Space-Saving Shelf, For 19" Racks	3 (1.4)
12665-X23	Space-Saving Shelf, For 23" Racks	3 (1.4)
13490-X19	2-Post, Keyboard+Tray, Black	13 (5.9)
13490-X29	2-Post, Keyboard+Tray, With Gold Contacts	13 (5.9)
13480-X19	4-Post, Keyboard+Tray, Black	12 (5.4)
13480-X29	4-Post, Keyboard+Tray, With Gold Contacts	12 (5.4)
23480-001	Keyboard Only	3 (1.4)
23480-002	Keyboard With Gold Contacts	3 (1.4)

*X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White*

*Also available, Mouse Pad Attachment (P/N 11692-XXX) and 23" Wrist Rest Attachment (P/N 12306-XXX). Visit www.chatsworth.com for details.

Rack Base Insulator Kit

Rack Base Insulator Kits electrically isolate the racks from the floor for an effective grounding and bonding system. Made of .062" (1.57 mm) thick phenolic insulating material, and accepts up to 0.5" (10 mm) diameter screws. Used primarily on concrete floors, not needed for raised-floor applications.
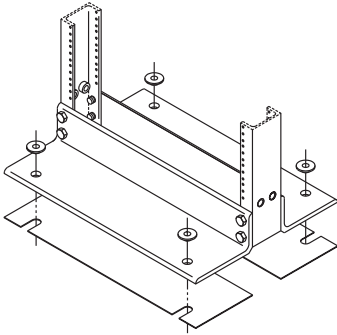
Kit consists of:
- (2) isolation plates
- (4) isolation grommets

| Part Number	Description	Shipping Weight lb (kg)
10605-019	Insulator Kit, 19" Rack	3 (1.4)
10605-023	Insulator Kit, 23" Rack	3 (1.4)

Rack Line-Up Spacer Kit

Bolts and spacer securely attach two racks mounted side-by-side.

Universal Rack Kit consists of:
- (2) spacer plates 1" x 3" x 1/8" (30 mm x 80 mm x 3.18 mm) thick aluminum
- (4) 5/16-18 x 2" hex cap screws
- (4) 5/16-18 hex nuts
- (8) 5/16 plain washers

Standard Rack Kit consists of:
- (2) spacer plates 1" x 3" x 1/8" (30 mm x 80 mm x 3.18 mm) thick aluminum
- (4) 1/2-20 x 1" hex cap screws
- (4) 1/2-20 hex nuts
- (4) 1/2 plain washers
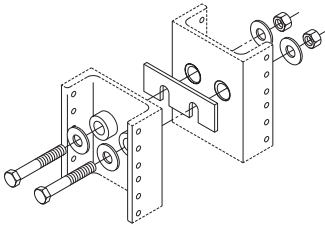
Kits for Universal Racks	Kits for Standard Racks	Shipping Weight lb (kg)
40602-X00	40702-X00	1 (0.5)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White

Rack and Frame Installation Kits

Required hardware for securing equipment racks and frames to both concrete and wood floors. Concrete Kit has four 3/8" thread components or four 1/2" thread components. Wood kit has four 3/8" thread components.

P/N 40607-001 Wood Floor Mounting

P/N 40604-003 Concrete Floor Mounting
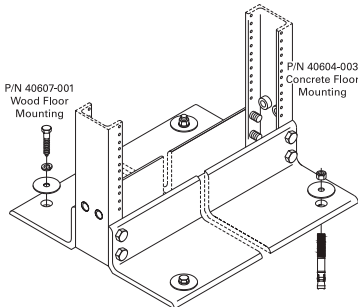
Part Number	Floor Type	Finish	Shipping Weight lb (kg)
40604-001	Concrete Floor, 3/8"	Zinc	1 (0.5)
40604-003	Concrete Floor, 1/2"	Zinc	1 (0.5)
40607-001	Wood Floor, 3/8"	Zinc	1 (0.5)
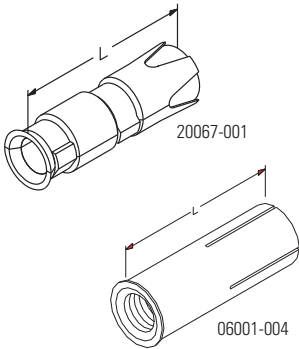
20067-001

06001-004

Anchors

Use to secure threaded rods or stud bolts in concrete or masonry. The 20067-001 Anchor is used with 3/8-16 threaded rods, and the 06001-004 Anchor is used with 5/8-11 threaded rods. To install the 06001-004 Anchor, use the specially designed Anchor Setting Tool (P/N 06003-001). *Installation instructions included. Sold individually.*

Part Number	Description	Length	Drill Dia.	Min. Hole Depth
20067-001	3/8-16 Exp. Shield	2"	5/8"	2-1/8"
06001-004	5/8-11 Multi-Set	2-1/2"	7/8"	2-1/2"
06003-001	Anchor Setting Tool	N/A	N/A	N/A
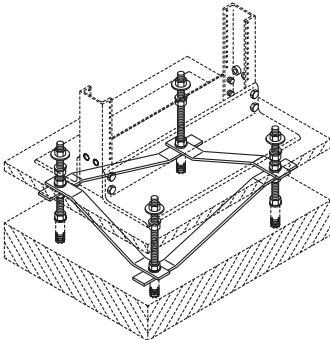
Rack with 3"(80 mm) channel shown

Raised Floor Rack Support

Used to support equipment racks installed on 4" to 36" (100 mm to 910 mm) height raised floor support systems. Enhances structural integrity during seismic events.
• Racks are mounted to sub or base floor using 5/8" threaded rods and steel brackets
• Steel brackets finished in gray color

Kits consists of:
• (4) pre-cut threaded rods
• (4) "Z" brackets
• All mounting hardware

Note: To install the anchors, use the specially designed anchor setting tool (P/N 06003-001). Sold separately.

P/N 13501

3" (80 mm) Rack Channel			
19" Rack	**23" Rack**	**Height of Floor in (mm)**	**Shipping Weight lb (kg)**
10632-119	10632-123	4 to 10 (100 to 250)	15 (6.8)
10629-119	10629-123	10 to 16 (250 to 410)	18 (8.2)
10630-119	10630-123	16 to 22 (410 to 560)	20 (9.1)
10631-119	10631-123	22 to 28 (560 to 710)	23 (10.4)
13501-119	13501-123	30 to 36 (760 to 910)	34 (15.4)
6" (150 mm) Rack Channel			
11760-119	11760-123	4 to 10 (100 to 250)	15 (6.8)
11761-119	11761-123	10 to 16 (250 to 410)	18 (8.2)
11762-119	11762-123	16 to 22 (410 to 560)	21 (9.5)
11763-119	11763-123	22 to 28 (560 to 710)	24 (10.9)
13515-119	13515-123	30 to 36 (760 to 910)	34 (15.4)

Heavy Duty Top Angle

Optional top angle for CPI Universal, 3"D (80 mm) Standard or 6"D (150 mm) Standard Rack.

• Material is aluminum extrusion
• Top Angle is L-shaped and 1-1/2" x 2" x 1/4" (38 mm x 51 mm x 6.4 mm) thick
• Recommended for use in pairs with 10562-001 Universal Earthquake Bracing Kit
• Sold individually
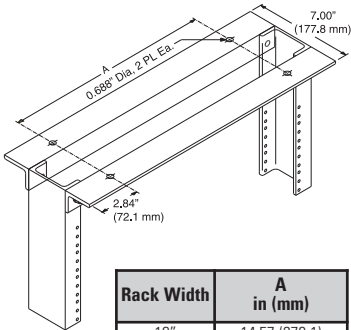
Rack Width	A in (mm)
19"	14.57 (370.1)
23"	18.57 (471.1)

Part Number		Shipping Weight lb (kg)
19" Rack	23" Rack	
10473-X01	10473-X02	3 (1.4)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White

Top Angle
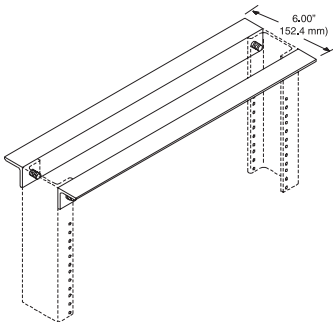
Optional top angles for CPI Universal Rack.
• Material is aluminum extrusion 1-1/2" x 1-1/2" x 1/4" (38 mm x 38 mm x 6.4 mm)
• Sold individually

Part Number		Shipping Weight lb (kg)
19" Rack	23" Rack	
10375-X01	10375-X02	3 (1.4)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White

Base Angle

Optional base angle for CPI Universal Racks.
• Material is aluminum extrusion 3-1/2" x 6" x 3/8" (89 mm x 150 mm x 9.53 mm)
• Sold individually

Part Number		Shipping Weight lb (kg)
19" Rack	23" Rack	
41021-X01	41021-X02	10 (4.5)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White

FILLER PANEL

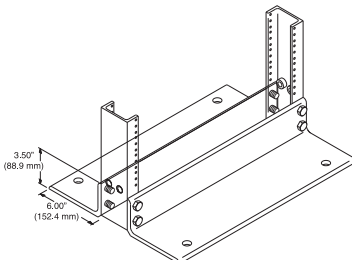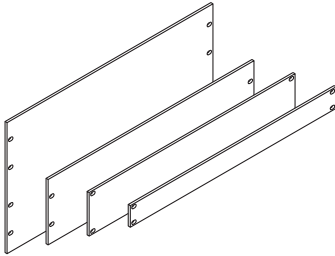## Filler Panels

For airflow control and/or equipment mounting, fill empty spaces between mounted equipment.

Filler Panels	
300	Filler Panels

	Thickness - in (mm)	Width
24	3/16 (4.763)	19″
25	3/16 (4.763)	23″
26	1/8 (3.18)	19″
27	1/8 (3.18)	23″

	Color
1	Gray
2	Computer Beige
5	Clear
7	Black
E	Glacier White

	Spaces - in (mm)	U
01	1.72 (43.7)	1
02	3.47 (88.1)	2
03	5.22 (132.6)	3
04	6.97 (177.0)	4
05	8.72 (221.5)	5
06	10.47 (265.9)	6
07	12.22 (310.4)	7
08	13.97 (354.8)	8
09	15.72 (399.3)	9
10	17.47 (443.7)	10
11	19.22 (488.2)	11
12	20.97 (532.6)	12

300	XX	-	X	XX

Touch-Up Paint

Air dry lacquer for touching up finish. Matches color and gloss of CPI's textured paint. Air dries to hard finish in minutes
• 12-ounce (340 g) pressurized can *Note: Cannot be shipped via air.*

Air dry waterborne paint for touching up finish. Matches color and gloss of CPI's textured paint.
• 1-ounce (30 g) bottle with applicator

25401-X00
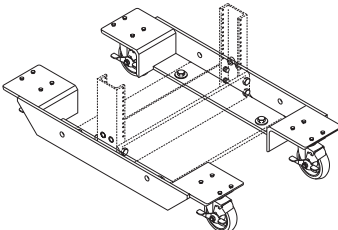
Part Number	Description oz (g)	Shipping Weight lb (kg)
25400-X00	12 (340) Can	2 (0.9)
25401-X00	1 (30) Bottle	1 (0.5)

X=Color; 1=Gray, 2=Computer Beige, 7=Black, E=Glacier White.
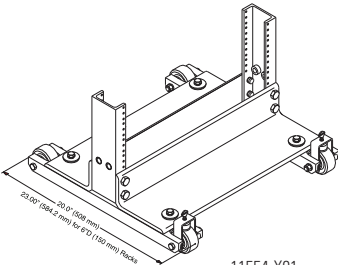
CPI: 800-834-4969

(652.5 mm)
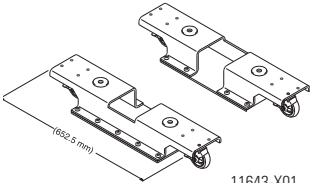
11643-X01

Note: Vertical cabling sections cannot be used on dolly-equipped racks. Also, dolly will not fit 6"D (150 mm) Standard Rack.

10175-X00

Note: Vertical cabling sections cannot be used on dolly-mounted racks. Can be used with Universal, 3"D (80 mm) Standard or 6"D (150 mm) Standard Racks.

23.00" (584.2 mm) for 6"D (150 mm) Racks — 20.0" (508 mm)

11554-X01

Mid-Size Rack Dolly

Full swivel capability allows rack to be easily moved, providing access to equipment. The front wheel locks to prevent unintentional movement. Mounts to most CPI Universal and Standard Racks and adds 1-1/4" (31.8 mm) to rack's height. Two-piece construction of 1/4" (6.4 mm) aluminum complete with hardware. Sold in pairs; load capacity 750 lb (340.2 kg).

Rack Universal Dolly Wheels

Allows rack to be moved, providing access to equipment. Wheels may be locked to prevent moving during assembly stages. Holds any width CPI Universal or Standard Rack. Two-piece construction of 3/8" (9.53 mm) aluminum complete with rack-mounting hardware. Supports up to 1000 lb (453.6 kg). *Note: Not to be used with enclosures.*

Rack Standard Rollers

Mount to CPI Universal and Standard racks, regardless of width. Fixed rollers prevent rack from accidental turning. Adds 2" (50 mm) to rack's height. Ships complete with installation hardware. Supports up to 500 lb (226.8 kg).

Part Number	Description	Shipping Weight lb (kg)
11643-X01	Mid-Size Rack Dolly	24 (10.9)
10175-X00	Universal Dolly Wheels	20 (9.1)
11554-X01	Rack Standard Rollers, For 3"D (80 mm) Rack Channel	8 (3.6)
11554-X03	Rack Standard Rollers, For 6"D (150 mm) Rack Channel	8 (3.6)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black
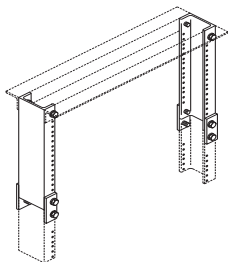
Note: Not for use with
CPI Standard Rack
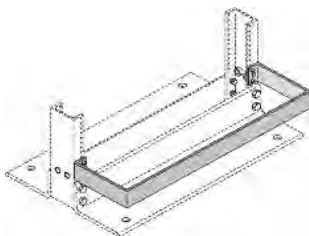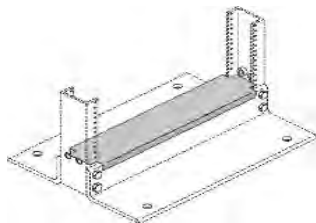
Rack Extension Kit

Provides additional height to existing racks. Kit includes one pair of rack channels, four plates and assembly hardware.
• Universal 5/8"-5/8"-1/2" (15.9 mm - 15.9 mm - 12.7 mm) hole pattern

Part Number	Color	Shipping Weight lb (kg)
10565-X12	12"H (300 mm), 4U	4 (1.8)
10565-X24	24"H (610 mm), 11U	6 (2.7)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White

Rack Base Dust Cover

Improves appearance and prevents the accumulation of dust and debris at the rack base. Snaps securely in place over the base assembly; no mounting hardware necessary. Made of lightweight aluminum.
• For CPI Racks with 3" or 6"D (80 mm or 150 mm) channel

Part Number			Description in (mm)
19" Rack	23" Rack	35" Rack	
41050-X19	41050-X23	N/A	3 (80) Rack Channel
42050-X19	42050-X23	42050-X35	6 (150) Rack Channel

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White

Equipment Guard Rail

Provides protection for equipment in racks from rolling gear or tool boxes.
• Made of 1/4" x 2" (6.4 mm x 50 mm) aluminum bar
• Mounting hardware is included; sold individually

400		Equipment Guard Rails		
		Stand Off - in (mm)		
	56	7 (180)		
	57	6.5 (165)		
	58	5.25 (133.4)		
	59	4.25 (108)		
		Color		
		1	Gray	
		2	Computer Beige	
		5	Clear	
		7	Black	
		E	Glacier White	
			Width	
			19	19" Rack
			23	23" Rack
400	XX	-	6	XX

Rack Panel Adapters (Pair)

Allows 19"W equipment to be mounted on a 23"W rack.
• Universal 5/8"- 5/8"-1/2" (15.9 mm - 15.9 mm - 12.7 mm)
• Joggled so that installed panels fit flush

1.75" (44.45 mm)
One Mounting Space
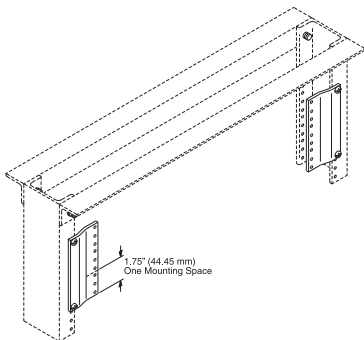
Part Number	Description Height in (mm)	Shipping Weight lb (kg)
31410-X00	Adapter, Pair, 1U, 1.71 (43.4)	1 (0.5)
31420-X00	Adapter, Pair, 2U, 3.46 (87.9)	1 (0.5)
31430-X00	Adapter, Pair, 3U, 5.21 (132.3)	1 (0.5)
31440-X00	Adapter, Pair, 4U, 6.96 (176.8)	1 (0.5)
31450-X00	Adapter, Pair, 5U, 8.71 (221.2)	1 (0.5)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White

2U

Equipment Support Bracket

The Equipment Support Bracket mounts on the rear of the rack channel to provide safety and additional support for deep or heavy electronic equipment panel or rack mounted on CPI Racks.
• Supports electronic equipment up to 24"D (610 mm) and weighing up to 60 lb (27.2 kg)
• Made of strong, lightweight aluminum
• Overall depth is 13" (330 mm); chassis support lip is 1.5"W (38 mm)
• Fits all EIA standard hole pattern rack channels

Part Number	Description	Shipping Weight lb (kg)
12312-X01	Pair of Brackets	2 (0.9)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White
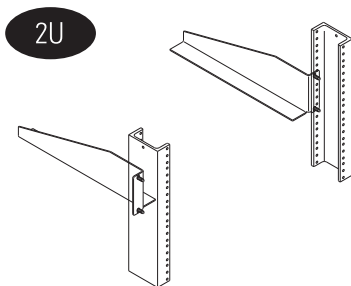
Sold in pairs. Attachment hardware not included.

RMU Label Kits

Easy-to-read numbers take the guesswork out of aligning components.
• Two kits are available: 1-45U for 7' (2.1 m) racks and cabinets and 1-58U for 8' or 9' (2.4 m or 2.7 m) racks and cabinets
• Kit contains four individual label packs, enough for four racks or four cabinets
• Labels are constructed of ½"W (10 mm) durable polyester film with adhesive backing and are black with rack-mount unit numbers printed in white
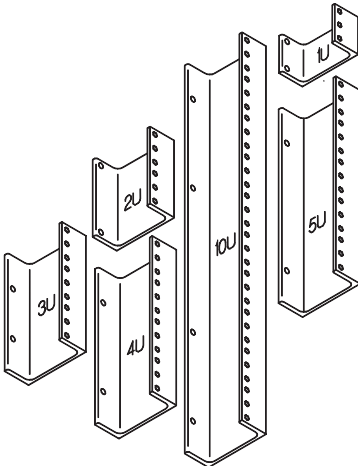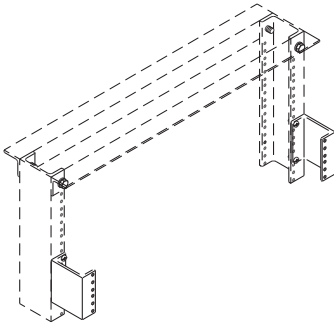
Part Number	Description	Shipping Weight lb (kg)
11927-001	1-45U Label	1 (0.5)
11927-002	1-58U Label	1 (0.5)

Rack Channel Standoffs

Rack Channel Standoffs offer solutions to many electronic component positioning problems including:

- Adding deeper electronic components to existing CPI Wall Racks, Heavy Duty Wall Racks, Universal Swing Gate Wall Racks, Standard Swing Gate Wall Rack or Self-Support Racks
- Providing improved patch panel cable transitions when a double-sided cabling section is used with a 3"(80 mm) Rack Channel; use 1-1/2" (38 mm) Rack Channel Standoff
- Reposition rack-mounted electronic components to redistribute component weight or to realign component for whatever reason
- Available in three depths and six heights
- Packaged one pair per box

Part Number	Overall Height	Mounting Holes	Shipping Weight lb (kg)
3" Depth (80 mm)			
12309-X01	1U	3	1 (0.5)
12309-X02	2U	6	1 (0.5)
12309-X03	3U	9	2 (0.9)
12309-X04	4U	12	2 (0.9)
12309-X05	5U	15	2 (0.9)
12309-X10	10U	30	4 (1.8)
6" Depth (150 mm)			
12310-X01	1U	3	1 (0.5)
12310-X02	2U	6	1 (0.5)
12310-X03	3U	9	2 (0.9)
12310-X04	4U	12	2 (0.9)
12310-X05	5U	15	2 (0.9)
12310-X10	10U	30	4 (1.8)
1-1/2" Depth (38 mm)			
12311-X01	1U	3	1 (0.5)
12311-X02	2U	6	1 (0.5)
12311-X03	3U	9	2 (0.9)
12311-X04	4U	12	2 (0.9)
12311-X05	5U	15	2 (0.9)
12311-X10	10U	30	4 (1.8)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White

Front of channel tapped with #12-24 threaded holes, EIA 310 Universal holes spacing

18.31"
(465.1 mm)
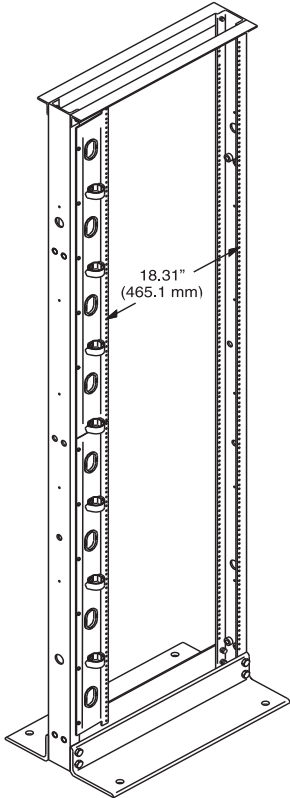
Panel Adapter with Cable Management, Single-Sided, 23" to 19"

CPI offers a solution for those who have 7'H (2.1 m) x 23"W racks and need to mount 19" equipment along the entire length of the rack. Existing panel adapters are typically composed of two side panels, which reduce the mounting width and center the equipment. CPI's unique design performs the reduction on one side. Not only can you mount 19" equipment, but you also have room for cable management on the wide adapter panel.

Eight 2.25" (57.2 mm) oval pass-through ports with edge protectors provide cable access from front to rear of the panel. In addition, there are seven threaded holes along the front surface of the panels for mounting optional Center Grommet Buckle Saf-T-Grip® Cable Management Straps, to provide strain relief and vertical cable management.

- Includes (50) pilot point #12-24 mounting screws with combination Phillips/Straight heads
- Saf-T-Grip straps are optional
- Split design allows you to adapt half or all of a 7'H (2.1 m) relay rack
- Adapter panels mount on right or left side of rack
- Panels are joggled to maintain uniform mounting surface plane
- For lightweight applications (patch panels & cable management)

Part Number	Description/Color	Shipping Weight lb (kg)
7' (2.1 m) Panel Adapters		
13044-X03	7'H (2.1 m) Panel Adapters	5 (2.3)
OPTIONAL: Saf-T-Grip Center Grommet Cable Management Straps (Pkg. of 25) W x L - in (mm)		
06006-201	3/4 x 6 (19.1 x 150), Black	1 (0.5)
06006-203	3/4 x 6 (19.1 x 150), Royal Blue	1 (0.5)
06009-201	3/4 x 9 (230 x 19.1), Black	1 (0.5)
06009-203	3/4 x 9 (230 x 19.1), Royal Blue	1 (0.5)
06012-201	3/4 x 12 (300 x 19.1), Black	1 (0.5)
06012-203	3/4 x 12 (300 x 19.1) Royal Blue	1 (0.5)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White
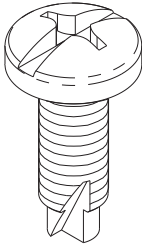
Combination Pan Head, Pilot Point, Mounting Screws

The #12-24 Combination Pan Head, Pilot Point, Mounting Screws attach equipment to racks and cabinets. A cutting notch in the thread removes paint in threaded holes to improve metal-to-metal contact. The pilot point reduces cross-threading. The combination head can be used with #3 Phillips and slotted screwdrivers.

• Available in choice of zinc plated or black finish in packages of 50 and 1000

Part Number	Nominal Size	Package Of	Shipping Weight lb (kg)
40605-001	12-24	50	1 (0.5)
40605-004	12-24	1000	9 (4.1)
40605-005	12-24 (Black)	50	1 (0.5)
40605-006	12-24 (Black)	1000	9 (4.1)
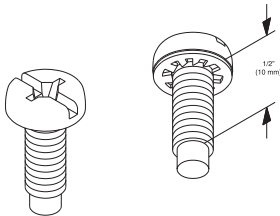
Combination Pan Head, Pilot Point, Sems Mounting Screws

1/2" (10 mm)

Similar to 40605, except includes captive lock washer.

• Zinc plated finish

Part Number	Nominal Size	Package Of	Shipping Weight lb (kg)
40606-001	12-24	50	1 (0.5)

Structured Termination Products are pre-configured frames designed specifically to hold 110-style or 66-style blocks or patch panels. Use Structured Termination Products to support main, intermediate or horizontal cross-connects.

High Density Patching Frame

Designed to maximize support of patch panels, the High Density Patching Frame combines the benefits of CPI's 2-post open racks and vertical cable management into a single package.

- High-density cable management fins provide an integrated vertical pathway for premise cabling and facilitate adherence to bend radius requirements
- Inverted U-shaped tabs formed into the cable management fins provide a quick method for securing premise cabling with Saf-T-Grip® Cable Management Straps
- Cable management rings and integrated upper jumper tray provide slack management for patch cords
- Feed patch cords front-to-rear through edge-protected pass-through ports
- Base angles are pre-punched for direct attachment to building structure and feature a U-shaped cut-out for cable delivered from under a raised floor
- Connect Frames side-by-side into continuous rows with an accessory baying kit
- Attach Cable Runway to the top of the frame with J-bolts in the perpendicular orientation or a Mounting Kit in the parallel orientation

Specifications:

- Overall dimensions of 86.0"H x 29.1"W x 18.6"D (2184 mm x 739 mm x 472 mm)
- Provides 45U x 19"W of mounting space
- Features EIA-310-D, Universal spacing, threaded #12-24 mounting holes
- Frame components are aluminum, while cable rings are an engineered polymer
- UL Listed: File E140851; Category DUXR (US), DUXR7 (Canada) – Communications Circuit Accessory
- Finished with black, powder coat paint
- Ships unassembled and individually packaged
- Assembly requires one person, a standard ratchet/wrench set, screwdriver and square
- Attach to building structure using one Rack Installation Kit per frame
- Supports 750 lb (340.2 kg) of able and equipment; 110 lb (49.9 kg) maximum per cable fin

Integrated top jumper trough provides smooth transition

Unique fins support large bundles of cable

Part Number	Description	Shipping Weight lb (kg)
55100-703	7'H (2.1 m) x 19"W High Density Patching Frame, Black	63 (28.6)
55104-701	Baying Kit, Black	1 (0.5)
55105-X12	12"W (300 mm) Runway Mounting Kit	1 (0.5)
55105-X18	18"W (460 mm) Runway Mounting Kit	1 (0.5)
55105-X24	24"W (610 mm) Runway Mounting Kit	1 (0.5)

X=color: 7=Black, E=Glacier White. 55100-703 and 55104-701 available in black only.
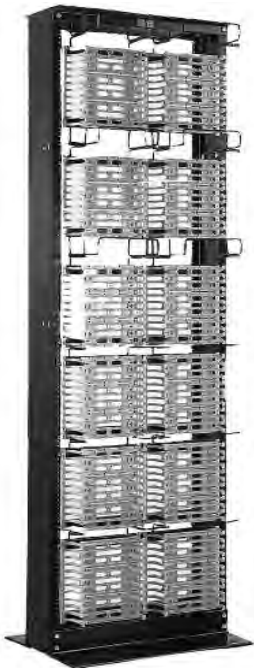
Shown with wiring blocks (not included)

XLBET 110A Block Mounting System

The Extra Large Building Entrance Terminal (XLBET) 110A Block Mounting System is designed for high-density, space-saving style block mounting. The 8"W x 6.6"D (200 mm x 168 mm) large wire managers provide distinct vertical and horizontal cable and jumper pathways for efficient space usage. The basic frame (23" or 35"), mounting bars and the small and large wire managers are available under one part number. The XLBET 110A Block Mounting System ships completely assembled for quick, easy installation.

- Supports 300 pair 110A style blocks
- 3600 pair in two columns to 5400 pair in three columns can be mounted per side, depending on the frame selected
- Double-sided version provides 7200 to 10,800 pair, depending on the frame selected
- Horizontal and vertical cable managers provide clearly defined cable routing of large quantities of cross-connect wires
- 6"D (150 mm) rack channel provides extra cable capacity

11810-X36 Kit (3600 pair/12 blocks/single sided) consists of:
- (1) 23" Standard Rack, 6"D (150 mm) (P/N 66383-X03)
- (6) Mounting Bars
- (3) Large Wire Managers, (3) Small Wire Managers

11810-X72 Kit (7200 pair/24 blocks/double-sided) consists of:
- (1) 23" Standard Rack, 6"D (150 mm) (P/N 66383-X03)
- (12) Mounting Bars
- (6) Large Wire Managers, (6) Small Wire Managers

11910-X54 Kit (5400 pair/18 blocks/single-sided) consists of:
- (1) 35" Standard Rack, 6"D (150 mm) (P/N 66363-X03)
- (6) Mounting Bars
- (3) Large Wire Managers, (3) Small Wire Managers

11910-X80 Kit (10800 pair/36 blocks/double-sided) consists of:
- (1) 35" Standard Rack, 6"D (150 mm) (P/N 66363-X03)
- (12) Mounting Bars
- (6) Large Wire Managers, (6) Small Wire Managers

Part Number			
23" Width		35" Width	
3600 Pair	7200 Pair	5400 Pair	10,800 Pair
11810-X36	11810-X72	11910-X54	11910-X80

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White

Panel Hinges

Versatile 1.75"H (44.45 mm) rack-mounting hinges provide rear access to patch panels or other shallow equipment by allowing them to swing outward. Made from high strength black composite material.
- Sold in pairs with mounting hardware included
- Supports up to 30 lb (13.6 kg) per pair
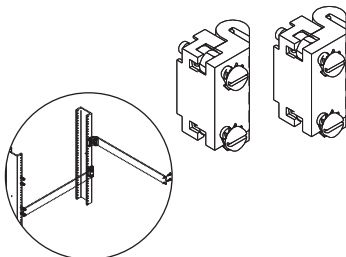
Part Number	Description	Shipping Weight lb (kg)
11520-001	Hinges, Pair	1 (0.5)

11177-X01

66 Block Mounting Brackets

Used to organize and manage 66 blocks at one convenient location. Includes U-shaped cable loops to route jumper cables between blocks.
• 19" Mounting Bracket: 8 blocks (2 rows of 4), 400 pair, 5 cable loops
• 35" Mounting Bracket: 18 blocks (2 rows of 9), 900 pair, 10 cable loops
• Mounting hardware not included

Part Number	Description	Shipping Weight lb (kg)
11177-X01	19" Mounting Bracket	2 (0.9)
11188-X01	35" Mounting Bracket	2 (0.9)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White

30014-X00

Block Mounting Bar, Rack–Mounted

For mounting terminal blocks, card files and other equipment on 19" and 23" racks.
• Angle mounting bars are 1/8" (3.18 mm) cold-rolled steel
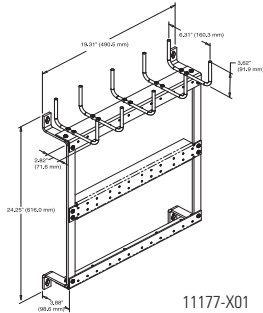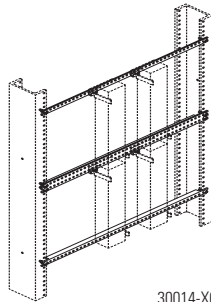• T-mounting bars are 1/8" (3.18 mm) extruded aluminum
• Hole patterns are 12-24 tapped on 7/16" (11.113 mm) centers
• Supports 66/89 Blocks; sold individually

Part Number	Description	Shipping Weight lb (kg)
30013-X00	19" Angle	2 (0.9)
30014-X00	23" Angle	2 (0.9)
30015-X00	19" T-Bar	2 (0.9)
30016-X00	23" T-Bar	2 (0.9)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White

11523-X04

Hinged Panel Mounting Bracket

Provides easy access to back of wall or rack-mounted panels.
• Can be mounted to open left or right
• Available in 2, 3, 4, 5 or 6 mounting space, 1.75"H (44.45 mm), 4" or 8"D (100 mm or 200 mm) and 19"W
• Mounting hardware not included; supports up to 30 lb (13.6 kg) load
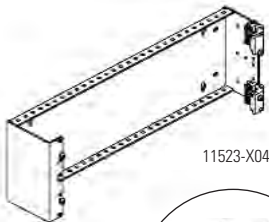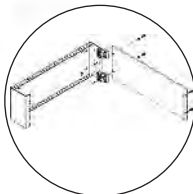
Part Number	Description	Shipping Weight lb (kg)
11521-X04	3.50 (88.9), 2U High, 4 (100) Deep	2 (0.9)
11522-X04	5.25 (133.4), 3U High, 4 (100) Deep	2 (0.9)
11523-X04	7.00 (177.8), 4U High, 4 (100) Deep	2 (0.9)
11524-X04	8.75 (222.3), 5U High, 4 (100) Deep	2 (0.9)
11525-X04	10.5 (267.0), 6U High, 4 (100) Deep	2 (0.9)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White
Also available in 8"D (200 mm), (-X08).

CABINET, CONTAINMENT & ENCLOSURE SYSTEMS

Cabinets, Aisle Containment, Thermal & Cable Management Accessories

CABINET, CONTAINMENT & ENCLOSURE SYSTEMS

The cabinet platform on which your enterprise is built is just as critical as the equipment it stores. Utilizing a properly configured cabinet that is designed to fit your equipment and work with your data center's cooling system is crucial. Leading the industry with innovative storage solutions, CPI Cabinet and Enclosure Systems provide a trusted frame and secure location for storing multiple servers, switches and various pieces of computer equipment. CPI Cabinet and Enclosure Systems are also designed to promote energy savings and enhanced thermal management solutions that utilize CPI Passive Cooling® through the use of Aisle Containment and Vertical Exhaust Ducts.

Infinite configurability helps meet your growing enterprise needs through additional features, such as remote environmental monitoring, power distribution, seismic accessories, grounding and bonding, locking systems and advanced cable management.

CPI Cabinet, Containment and Enclosure Systems feature:
- Four vertical mounting rails for four-point attachment
- Standard EIA-310-D and EIA/ECA-310-E hole pattern
- Industry leading performance standards, like high static load ratings and shock pallet options
- High static load rating, ranging from 800 lb (362.9 kg) to 3000 lb (1360 kg)
- High dynamic load rating of 3000 lb (1360 kg) on some models
- Large open base for cable entry and exit
- Rack-mount unit markings on most rails and channels for fast equipment mounting
- Options and accessories that can be pre-installed, reducing data center installation time
- Green energy-saving thermal management options and configurations
- Extensive cable management options and features that keep cables organized and make installation changes easy

Featured Product:
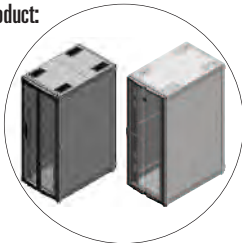
F-Series TeraFrame Gen 3 Cabinet System (Page 2-4) and GF-Series GlobalFrame Gen 2 Cabinet Systems (Page 2-31) feature enhanced frame design, new sizes and panels, easier equipment rail adjustment and smarter airflow management.

Aisle Containment Solutions (Page 2-66) include doors, ceilings and ducts that allow you to enclose the hot or cold aisle between adjacent rows of cabinets to isolate air and improve cooling systems performance.

Cabinet Systems

CPI continuously provides flexibility in meeting the challenges of changing data and telecommunications technology. To meet these changes, CPI develops cabinets that are well-designed, forward-thinking and versatile.

The chart below lists the main style differences of CPI's cabinet families. Cabinets are available in several styles and sizes with a choice of included equipment mounting rails, side panels and doors.

When selecting a CPI Cabinet consider:

- Overall and usable width and depth
- Rack-mount units (U) required
- Aluminum or steel construction
- Style of equipment mounting rail (five to choose from)
- Door style (five styles including double doors)
- Cabinets are available without doors, sides or tops
- Color
- Fully or partially assembled

CPI Cabinet Comparison Chart					
Product	**Key Attribute**	**Overall/Width (Rack-Mount) in (mm)**	**Material & Construction**	**Load Rating lb (kg)**	**Available Partially Assembled**
F-Series TeraFrame® Gen 3 Cabinet System *Page 2-4*	Select from 561 standard frame sizes to exactly match site requirements	23.6 (600)/19" EIA 27.6 (700)/19"EIA 31.5 (800)/19" EIA	Steel and Aluminum, Welded and Bolted	3000 (1360)	No
F-Series TeraFrame® HD Cabinet System *Page 2-14*	Quick deployment, re-ship cabinet with equipment pre-installed	23.6 (600)/19" EIA	Steel and Aluminum, Welded and Bolted	3000 (1360)	No
N-Series TeraFrame® Network Cabinet *Page 2-19, 2-28*	Control side exhaust airflow from network and storage switches	31.5 (800)/19"EIA 40.0 (1016)/19" EIA	Steel and Aluminum, Welded and Bolted	2500 (1134)	No
GF-Series GlobalFrame® Gen 2 Cabinet System *Page 2-31*	Available in 48 industry standard sizes	23.6 (600)/19" EIA 27.6 (700)/19"EIA 31.5 (800)/19" EIA	Steel and Aluminum, Welded and Bolted	3000 (1360)	No
M-Series MegaFrame® Cabinet System *Page 2-42*	Lightweight frame allows easy movement onto the site	27.3 (693)/19" EIA 27.6 (700)/23" 31.3 (795)/19" EIA	Aluminum, Bolted	2000 (907.2)	Yes
C-Series SlimFrame® Cabinet System *Page 2-51*	Lightweight frame allows easy movement onto the site	24.0 (610)/19" EIA	Aluminum, Bolted	2000 (907.2)	Yes
E-Series ISP Co Location Cabinet *Page 2-56*	Lightweight frame with three secure compartments in one cabinet.	27.3 (693)/19"EIA 31.3 (795)/23"	Aluminum, Bolted	2000 (907.2)	Yes
Seismic Frame® Cabinet *Page 2-59*	Added protection for equipment in seismic areas.	27.3 (693)/19" EIA	Aluminum Bolted with Inner Steel Frame	800 (362.9) NEBS, Zone 4	No

F-Series TeraFrame® Gen 3 Cabinet System

The F-Series TeraFrame® Gen 3 Cabinet System optimizes, stores and secures computer, data storage and network equipment in the data center, computer room or network environment. Every cabinet is available in a wide range of standard sizes and configurations to match your equipment and facility requirements.

The third generation F-Series TeraFrame features an enhanced frame design, new sizes and panels, easier equipment rail adjustment and smarter airflow management. A new 6-slide frame style increases the cabinet's equipment load bearing capacity and is also available in a standard 52U height to maximize space. Side panels are half height so they are easier to handle, and the cable openings in the top and bottom panels are wider to accommodate large PDU power plugs. Equipment mounting rails are now Z-shaped with a solid front surface, use no standoff brackets, adjust quickly using less hardware and help block bypass airflow around equipment. There are grommet-sealed cable openings in the rails in wider cabinets that allow a dedicated front-to-rear pathway for cabling, while blocking unwanted bypass airflow. Every cabinet also includes casters to ease placement, and leveling feet can be adjusted quickly using a ball hex driver.

Airflow management is an integral part of every cabinet, so brush seals cover all of the cable openings in the top and bottom panels. A new two-piece server top panel design provides an upgrade path to Vertical Exhaust Duct as thermal loads increase. When ordered with a duct, a bottom panel, airflow director and rear door seal are included with the cabinet to channel hot exhaust air to the duct. For best performance, use with the improved Air Dam and Snap-In Filler Panels to form a complete seal around the sides and top of the cabinet and in between rack-mount equipment.

Combine the F-Series TeraFrame with thermal and cable management accessories to create a solution that fits your exact needs.

Cabinet Specifications:

- Available in 11 heights, three widths and 17 depths
- Provides front and rear support for 19"W (482.6 mm) EIA rack-mount equipment and shelves
- Adjustable depth, rails slide front-to-back
- Marks on frame for easy vertical alignment
- 1-3/4"H (44.45 mm) U spacing, marked and numbered
- 19"W, EIA-310-E Universal vertical hole spacing
- Load capacity for 6-slide frame (per UL2416):
  - 3000 lb (1360 kg), static load on leveling feet
  - 2250 lb (1020 kg), rolling load on casters
- Load capacity for 4-slide frame (per UL2416):
  - 2500 lb (1134 kg), static load on leveling feet
  - 2000 lb (907.2 kg), rolling load on casters

Cabinet Includes:

- Welded steel and bolted aluminum four-post frame
- Equipment mounting rails, two pairs
- Equipment rail grommet kit
- Grounding/bonding system and ground lug
- Leveling feet and casters
- Floor attachment brackets
- Baying kit, for 600 mm or 24" spacing
- PDU brackets, one pair, for mounting two vertical CPI PDUs
- Equipment mounting hardware, (50) M6 cage nuts and screws

Certifications:

- EIA-310-E compliant
- UL Listed 2416, NWIN, File #E227626

Use the part number configurator below to create a custom F-Series TeraFrame. Choose the **H**eight, **W**idth, **D**epth, **R**ail Style, **F**ront Door, **R**ear Door, **L**atch, **C**olor, **T**op Panel Style, **S**ide Panel Style and **F**rame Style. ***Example Cabinet Part Number:*** *FC1U-113B-C42-B*

Industry Standard Model Matrix:

All selections from this table offer the most affordable pricing and shortest lead times.

```
F  H  W  D  -  R  F  R  L  -  C  T  S  -  F
```

1. Height

U	in.	mm.	
42	79.4	2016	**C**
45	84.6	2149	**F**
48	89.9	2282	**J**
52	96.9	2460	**N**

Height includes casters.

2. Width

in.	mm.	
23.6	600	**1**
27.6	700	**2**
31.5	800	**3**

3. Depth

in.	mm.	
31.5	800	**A**
39.4	1000	**J**
43.3	1100	**N**
47.2	1200	**U**

Depth does not include doors. Front door adds 2.4" (61 mm) Rear door adds 1.5" (38 mm).

4. Rail Style

Square-Punched, 2-Pair	**1**

5. Front Door

None	**0**
Single, Perforated	**1**

6. Rear Door

None	**0**
Single, Solid Metal	**1**
Double, Perforated Metal	**3**

Double Rear Door will include a two-point latch

7. Latch/Lock Kits

B	Single-Point, Keyed Lock
C	Two-Point, Keyed Lock
D	Single-Point, Keyed/Combination Lock
E	Two-Point, Keyed/Combination Lock
N	None

8. Color

C	Black
E	Glacier White

9. Top Panel Style

0	None
2	Network, One-Piece, 4 Cable Openings
4	Server, Two-Piece, 4 Cable Openings
5	Vertical Exhaust Duct, 20"-34"H (508-863 mm)
6	Vertical Exhaust Duct, 34"-60"H (863-1523 mm)

Options 4, 5, & 6 are for cabinets that are 41.3"D (1050 mm) or deeper. Use solid rear door with Vertical Exhaust Duct. Vertical Exhaust Duct includes Bottom Panel and Air Director.

10. Side Panel Style

0	None
1	Solid, 1 each
2	Solid, 2 each

11. Frame Style

B	6-Slide

Notes:
1. Use the perforated doors with Aisle Containment Solutions or traditional hot aisle/cold aisle applications. Use the solid rear door with Vertical Exhaust Duct top panels.
2. Select a single-point or two-point latch and a keyed or combination lock. Double doors require a two-point latch. If you select a single-point latch and a double rear door, the front door will have a single-point latch, and the rear door will have a two-point latch.
3. There are three styles of top panel. Network top panels are a one-piece panel with four brush sealed cable openings, one per corner. Sever top panels are for cabinets that are 1050 mm D or deeper that may be upgraded with Vertical Exhaust Duct at a future date. Server top panels are two-piece panels with four brush sealed cable openings, one per corner. The rear piece of the panel is removed to add a Vertical Exhaust Duct. Vertical Exhaust Duct top panels have two brush sealed cable openings in the front corners, and the duct at the rear of the cabinet. Choose the duct height range that fits the distance between the top of the cabinet and the drop ceiling. Cabinets with Vertical Exhaust Duct top panels include a bottom panel and airflow director and must be used with a solid rear door.

F-SERIES TERAFRAME® GEN 3 CABINET SYSTEM

Use the part number configurator below to create a custom F-Series TeraFrame. Choose the **H**eight, **W**idth, **D**epth, **R**ail Style, **F**ront Door, **R**ear Door, **L**atch, **C**olor, **T**op Panel Style, **S**ide Panel Style and **F**rame Style. ***Example Cabinet Part Number:*** *FC1U-113B-C42-B*

Complete Product Matrix:

The complete product matrix includes all options available. The Industry Standard Models that offer affordable pricing and shorter lead times are highlighted.

F	H	W	D	-	R	F	R	L	-	C	T	S	-	F

1. Height

U	in.	mm.	
42	79.4	2016	C
43	81.1	2060	D
44	82.9	2105	E
45	84.6	2149	F
46	86.4	2193	G
47	88.1	2238	H
48	89.9	2282	J
49	91.6	2327	K
50	93.4	2371	L
51	95.1	2416	M
52	96.9	2460	N

Height includes casters.

2. Width

in.	mm.	
23.6	600	1
27.6	700	2
31.5	800	3

3. Depth

in.	mm.	
31.5	800	A
32.5	825	B
33.5	850	C
34.4	875	D
35.4	900	E
36.4	925	F
37.4	950	G
38.4	975	H
39.4	1000	J
40.4	1025	K
41.3	1050	L
42.3	1075	M
43.3	1100	N
44.3	1125	P
45.3	1150	R
46.3	1175	T
47.2	1200	U

Depth does not include doors. Front door adds 2.4" (61 mm) Rear door adds 1.5" (38 mm).

4. Rail Style

1	Square-Punched, 2-Pair

5. Front Door

0	None
1	Single, Perforated

6. Rear Door

0	None
1	Single, Solid Metal
3	Double, Perforated Metal

7. Latch/Lock Kits

B	Single-Point, Keyed Lock
C	Two-Point, Keyed Lock
D	Single-Point, Keyed/Combination Lock
E	Two-Point, Keyed/Combination Lock
N	None

8. Color

C	Black
E	Glacier White

9. Top Panel Style

0	None
2	Network, One-Piece, 4 Cable Openings
4	Server, Two-Piece, 4 Cable Openings
5	Vertical Exhaust Duct, 20"-34"H (508-863 mm)
6	Vertical Exhaust Duct, 34"-60"H (863-1523 mm)
7	Vertical Exhaust Duct, 14"-20"H (356-508 mm)

Options 4, 5, & 6 are for cabinets that are 41.3"D (1050 mm) or deeper. Use solid rear door with Vertical Exhaust Duct. Vertical Exhaust Duct includes Bottom Panel and Air Director.

10. Side Panel Style

0	None
1	Solid, 1 each
2	Solid, 2 each

11. Frame Style

A	4-Slide
B	6-Slide

= Industry Standard

For the full line of cabinet configurations, use the complete product matrix or log on to the CPI Configurator on our website at www.chatsworth.com. For additional assistance, contact Technical Support at 800-843-4969.

Specifications/Ordering Notes:

1. Heights, Widths, Depths: See tables below for detailed dimensions.

Height Dimensions - in (mm)			
Rack Mount Spaces (U)	Overall with Casters	Frame Only No Casters	Front Opening
42	79.4 (2016)	77.4 (1965)	73.9 (1876)
43	81.1 (2060)	79.1 (2010)	75.6 (1921)
44	82.9 (2105)	80.9 (2054)	77.4 (1965)
45	84.6 (2149)	82.6 (2099)	79.1 (2010)
46	86.4 (2193)	84.4 (2143)	80.9 (2054)
47	88.1 (2238)	86.1 (2187)	82.6 (2099)
48	89.9 (2282)	87.9 (2232)	84.4 (2143)
49	91.6 (2327)	89.6 (2276)	86.1 (2187)
50	93.4 (2371)	91.4 (2321)	87.9 (2232)
51	95.1 (2416)	93.1 (2365)	89.6 (2276)
52	96.9 (2460)	94.9 (2410)	91.4 (2321)

Casters add approximately 2" (51 mm) to frame and are factory installed on the cabinet.

Width Dimensions - in (mm)			
Nominal Width	Overall with Side Panels	Front Opening	Rack-Mount Panel Width
600	23.6 (600)	19.6 (498)	19 (482.6)
700	27.6 (700)	23.5 (598)	19 (482.6)
800	31.5 (800)	27.5 (698)	19 (482.6)

Mounting Rail clearance is 17.8" (452 mm). Mounting hole spacing is 18.3" (465 mm).

Depth Dimensions - in (mm)			
Nominal Depth	Overall with Doors	Frame Only No Doors	Maximum Rail Depth
800	35.4 (900)	31.5 (800)	29.3 (745)
825	36.4 (925)	32.5 (825)	30.3 (770)
850	37.4 (950)	33.5 (850)	31.3 (795)
875	38.4 (975)	34.4 (875)	32.3 (820)
900	39.4 (1000)	35.4 (900)	33.2 (843)
925	40.4 (1025)	36.4 (925)	34.2 (870)
950	41.4 (1050)	37.4 (950)	35.2 (895)
975	42.3 (1075)	38.4 (975)	36.2 (920)
1000	43.3 (1100)	39.4 (1000)	37.2 (945)
1025	44.3 (1125)	40.4 (1025)	38.2 (970)
1050	45.3 (1150)	41.3 (1050)	39.2 (995)
1075	46.3 (1175)	42.3 (1075)	40.1 (1020)
1100	47.3 (1200)	43.3 (1100)	41.1 (1045)
1125	48.2 (1225)	44.3 (1125)	42.1 (1070)
1150	49.2 (1250)	45.3 (1150)	43.1 (1095)
1175	50.2 (1275)	46.3 (1175)	44.1 (1120)
1200	51.2 (1300)	47.2 (1200)	45.1 (1145)

Front Door is approximately 2.4"D (61 mm), and Rear Door is approximately 1.5"D (38 mm) with hinges/latches. Minimum rail depth is 7" (178 mm), and each rail is 3.5"D (89 mm). Rail depth is reduced when vertical accessories are placed in corners.

2. Use the perforated doors with Aisle Containment Solutions or traditional hot aisle/cold aisle applications. Use the solid rear door with Vertical Exhaust Duct top panels.

3. Select a single-point or two-point latch and a keyed or combination lock. Double doors require a two-point latch. If you select a single-point latch and a double rear door, the front door will have a single-point latch, and the rear door will have a two-point latch. All doors must have a latch. The (N) option should only be selected if the cabinet has NO doors. Doors have a swing handle on the exterior. The combination lock uses a 3-digit combination entered on 3-dials that are integrated into the swing handle or a key. The combination lock can be reprogrammed in the field.

4. There are three styles of top panel. Network top panels are a one-piece panel with four brush sealed cable openings, one per corner. Sever top panels are for cabinets that are 1050 mm D or deeper that may be upgraded with Vertical Exhaust Duct at a future date. Server top panels are two-piece panels with four brush sealed cable openings, one per corner. The rear piece of the panel is removed to add a Vertical Exhaust Duct. Vertical Exhaust Duct top panels have two brush sealed cable openings in the front corners, and the duct at the rear of the cabinet. Choose the duct height range that fits the distance between the top of the cabinet and the drop ceiling. Cabinets with Vertical Exhaust Duct top panels include a bottom panel and airflow director and must be used with a solid rear door.

Vertical Exhaust Duct

Vertical Exhaust Duct attaches to the top of the cabinet to provide a sealed pathway for hot air from the top of the cabinet to an overhead drop ceiling as part of a closed hot air return.

- Used with Solid Rear Door, Bottom Panel, Air Dam, Snap-In
  Filler Panels and Air Director to completely contain hot exhaust air and remove it from the cabinet and room
- Fits cabinets that are 41.3"D (1050 mm) or deeper that have a two-piece Server top panel
- Two-piece duct adjusts in height to span the distance between the top of the cabinet and the overhead drop ceiling, available in three sizes (see description in order table)
- Features easy height adjustment, has a flexible seal at the top to accommodate variations in the drop ceiling
- Includes a brush sealed opening on the back for power cords

Part Number Cabinet Width			Description in (mm)	Shipping Weight lb (kg)
23.6"W (600 mm)	27.6"W (700 mm)	31.5"W (800 mm)		
39177-X00	39177-X03	39177-X06	14-20 (356-508)	17 (7.7)
39177-X01	39177-X04	39177-X07	20-34 (508-863)	25 (11.3)
39177-X02	39177-X05	39177-X08	34-60 (863-1523)	43 (19.5)

X=color; 7=Black, E=Glacier White. Shipping Weights are 800 mm ducts.

Bottom Panel

Bottom Panel seals the bottom of the cabinet to contain and control airflow in cabinets that are elevated on casters or leveling feet.

- Solid panel with two brush sealed cable openings
- Two-piece design for easy installation, adjusts in depth to fit cabinet
- Two cable openings, in back corners, are 4.5"W x 9"D (114 mm x 228 mm) without cover, sized for large power plugs
- Brush covers over cable openings, protects cables as they pass through bottom panel, provides a 3.9"W x 8.8"D (99 mm x 223 mm) pass through area for cables
- Brush cover is two halves that snap together around cables and forms a seal
- Used in combination with Air Dam and Vertical Exhaust Duct
- Fits cabinet frames that are 39.4"D (1000 mm) and deeper

Part Number Cabinet Width			Depth in (mm)	Shipping Weight lb (kg)
23.6"W (600 mm)	27.6"W (700 mm)	31.5"W (800 mm)		
39132-X00	39132-X01	39132-X02	≥39.4 (1000)	30 (13.6)

X=color; C=Black, E=Glacier White. Shipping Weights are 800 mm kits.

Air Dam Kit

Blocks airflow around the top and sides of equipment. Requires a minimum rail setback of 1.3" (33 mm) from the front of the cabinet frame. Use with Bottom Panel and Snap-In Filler Panels.

Part Number - Cabinet Width For 6-Slide Frame Style			Height (U)	Shipping Weight lb (kg)
23.6"W (600 mm)	27.6"W (700 mm)	31.5"W (800 mm)		
39085-X00	39085-X11	39085-X22	42	11 (5.0)
39085-X01	39085-X12	39085-X23	43	11 (5.0)
39085-X02	39085-X13	39085-X24	44	11 (5.0)
39085-X03	39085-X14	39085-X25	45	11 (5.0)
39085-X04	39085-X15	39085-X26	46	12 (5.4)
39085-X05	39085-X16	39085-X27	47	12 (5.4)
39085-X06	39085-X17	39085-X28	48	12 (5.4)
39085-X07	39085-X18	39085-X29	49	12 (5.4)
39085-X08	39085-X19	39085-X30	50	12 (5.4)
39085-X09	39085-X20	39085-X31	51	12 (5.4)
39085-X10	39085-X21	39085-X32	52	13 (5.9)

Part Number - Cabinet Width For 4-Slide Frame Style			Height (U)	Shipping Weight lb (kg)
23.6"W (600 mm)	27.6"W (700 mm)	31.5"W (800 mm)		
39130-X00	39130-X11	39130-X22	42	11 (5.0)
39130-X01	39130-X12	39130-X23	43	11 (5.0)
39130-X02	39130-X13	39130-X24	44	11 (5.0)
39130-X03	39130-X14	39130-X25	45	12 (5.4)
39130-X04	39130-X15	39130-X26	46	12 (5.4)
39130-X05	39130-X16	39130-X27	47	12 (5.4)
39130-X06	39130-X17	39130-X28	48	12 (5.4)
39130-X07	39130-X18	39130-X29	49	12 (5.4)
39130-X08	39130-X19	39130-X30	50	13 (5.9)
39130-X09	39130-X20	39130-X31	51	13 (5.9)
39130-X10	39130-X21	39130-X32	52	13 (5.9)

X=color; C=Black, E=Glacier White. Shipping Weights are 800 mm kits.

Snap-In Filler Panel

Snap-In Filler Panel blocks airflow in between equipment by sealing unused rack-mount spaces (U) in the cabinet. Use with Air Dam Kit and Bottom Panel to separate cold and hot air within the cabinet.

Part Number			Height (U)	Shipping Weight lb (kg)
Each (1)	Pack (6)	Pack (50)		
34537-X00	34537-X01	34537-X02	1U	14 (6.4)
34538-X00	34538-X01	34538-X02	2U	21 (9.5)

X=color; 0=Black, E=Glacier White. Shipping Weights are for 50 pack.

Side Panel with Brush Seal Openings

Side Panel with Brush Sealed Cable Openings feature multiple brush sealed cable openings that allow cables to enter the side of the cabinet, while containing exhaust air within each cabinet.

- Two-piece design with top and bottom halves for easier handling
- Eight cable openings per side, four per half-height panel, one per corner, are 4.5"W x 9"D (114 mm x 228 mm) without cover, sized for large power plugs
- Brush cover over cable openings protects cables as they pass through the side panel and provides a 3.9"W x 8.8"D (99 mm x 223 mm) pass through area for cables
- Tool-less removal, drop in design with integrated locking spring latch secures the side panel to the cabinet frame
- Integrated grounding tabs to electrically bond the side panel to cabinet frame
- Includes: Side panel (two halves, with brushes), installation hardware, set of keys

Part Number													Cabinet Frame Depth in (mm)	Shipping Weight lb (kg)
Frame Style		Height (U)												
6-Slide	4-Slide	42	43	44	45	46	47	48	49	50	51	52		
		-X00	-X17	-X34	-X51	-X68	-X85	-XAC	-XAY	-XBU	-XCP	-XDL	31.5 (800)	44 (20.0)
		-X01	-X18	-X35	-X52	-X69	-X86	-XAD	-XBA	-XBV	-XCR	-XDM	32.5 (825)	46 (20.9)
		-X02	-X19	-X36	-X53	-X70	-X87	-XAE	-XBB	-XBW	-XCT	-XDN	33.5 (850)	47 (21.3)
		-X03	-X20	-X37	-X54	-X71	-X88	-XAF	-XBC	-XBY	-XCU	-XDP	34.4 (875)	49 (22.2)
		-X04	-X21	-X38	-X55	-X72	-X89	-XAG	-XBD	-XCA	-XCV	-XDR	35.4 (900)	50 (22.7)
		-X05	-X22	-X39	-X56	-X73	-X90	-XAH	-XBE	-XCB	-XCW	-XDT	36.4 (925)	52 (23.6)
		-X06	-X23	-X40	-X57	-X74	-X91	-XAJ	-XBF	-XCC	-XCY	-XDU	37.4 (950)	53 (24.0)
		-X07	-X24	-X41	-X58	-X75	-X92	-XAK	-XBG	-XCD	-XDA	-XDV	38.4 (975)	55 (24.9)
39047	39043	-X08	-X25	-X42	-X59	-X76	-X93	-XAL	-XBH	-XCE	-XDB	-XDW	39.4 (1000)	56 (25.4)
		-X09	-X26	-X43	-X60	-X77	-X94	-XAM	-XBJ	-XCF	-XDC	-XDY	40.4 (1025)	58 (26.3)
		-X10	-X27	-X44	-X61	-X78	-X95	-XAN	-XBK	-XCG	-XDD	-XEA	41.3 (1050)	59 (26.8)
		-X11	-X28	-X45	-X62	-X79	-X96	-XAP	-XBL	-XCH	-XDE	-XEB	42.3 (1075)	61 (27.7)
		-X12	-X29	-X46	-X63	-X80	-X97	-XAR	-XBM	-XCJ	-XDF	-XEC	43.3 (1100)	62 (28.1)
		-X13	-X30	-X47	-X64	-X81	-X98	-XAT	-XBN	-XCK	-XDG	-XED	44.3 (1125)	64 (29.0)
		-X14	-X31	-X48	-X65	-X82	-X99	-XAU	-XBP	-XCL	-XDH	-XEE	45.3 (1150)	65 (29.5)
		-X15	-X32	-X49	-X66	-X83	-XAA	-XAV	-XBR	-XCM	-XDJ	-XEF	46.3 (1175)	67 (30.4)
		-X16	-X33	-X50	-X67	-X84	-XAB	-XAW	-XBT	-XCN	-XDK	-XEG	47.2 (1200)	68 (30.8)

X=color: C=Black, E=Glacier White. Shipping Weights are for 4-Slide, 52U panels. 6-Slide panels are approximately 8 lb (3.6 kg) lighter.
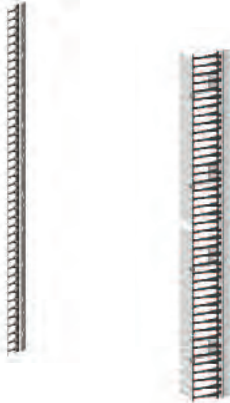
Bay Seal Kit

Bay Seal Kit is only used with 23.6"W (600 mm) cabinets when the cabinets are bayed to align with 24"W (610 mm) floor tiles. The bay seal kit fills the small gaps left between cabinets.

- Flexible plastic insert that blocks airflow between cabinets
- Includes: side baffles, cut to length
- Material: Plastic; Finish: Black only
- Select part number to match the usable height of the cabinet

Part Number	Height (U)	Shipping Weight lb (kg)
39137-700	42	5 (2.3)
39137-703	45	5 (2.3)
39137-706	48	5 (2.3)
39137-710	52	5 (2.3)

Note: All heights (U) available.

Finger Cable Manager

Finger Cable Manager attaches to the equipment mounting rail, creating a pathway for cables next to the rail and includes plastic T-shaped cable guides (fingers) that organize cables by rack-mount space (U).

- Attaches to and adjusts with mounting rails, fully compatible with Air Dam
- Plastic, T-shaped cable guides organize cables by rack-mount space (U)
- Openings between cable guides (fingers) align with each rack-mount space on the mounting rail
- Pass up to 24 cables per U space in narrow cabinets and 48 cables per U space in wider cabinets
- Hinged cover included with managers in wider cabinets, cover snaps closed to secure cables
- Includes: finger cable manager, cover (wider cabinets only),installation hardware
- Material: Steel panels, plastic guides and latches
- Select part number to match the width, usable height and color of the cabinet

Inside Dimensions, Usable Internal Cable Area, Rails Setback				
Cabinet Width	Width in (mm)	Depth in (mm)	Cable Area in² (mm²)	Rail Setback in (mm)
23.6 (600)	.75 (19)	4 (102)	3 (1900)	7.6 (193)
27.6 (700)	2.6 (66)	8.4 (213)	21.8 (14 060)	10.3 (262)
31.5 (800)	4.6 (117)	8.4 (213)	38.6 (24 900)	10.3 (262)

Rail setback is the minimum distance required between the front edge of the cabinet frame and the front edge of the equipment mounting rail.

Part Number - Cabinet Width			Height (U)	Shipping Weight lb (kg)
23.6"W (600 mm)	27.6"W (700 mm)	31.5"W (800 mm)		
39120-X00	39112-X11	39112-X22	42	22 (10.0)
39120-X01	39112-X12	39112-X23	43	22 (10.0)
39120-X02	39112-X13	39112-X24	44	22 (10.0)
39120-X03	39112-X14	39112-X25	45	23 (10.4)
39120-X04	39112-X15	39112-X26	46	23 (10.4)
39120-X05	39112-X16	39112-X27	47	23 (10.4)
39120-X06	39112-X17	39112-X28	48	25 (11.3)
39120-X07	39112-X18	39112-X29	49	25 (11.3)
39120-X08	39112-X19	39112-X30	50	25 (11.3)
39120-X09	39112-X20	39112-X31	51	26 (11.8)
39120-X10	39112-X21	39112-X32	52	26 (11.8)

X=color: C=Black, E=Glacier White. Shipping Weights are for 800 mm kits.

Front-to-Rear Cable Manager

Front-to-Rear Cable Manager attaches to the back of equipment mounting rails, creating a front-to-rear pathway between the front and rear mounting rails for cables.

- For use on 27.6"W (700 mm) and 31.5"W (800 mm) cabinets
- Mounting locations behind cable openings on each rail
- Attaches to mounting rails and extends to match depth
- Creates a 2.5"W (64 mm) x 3"D (78 mm) front-to-rear pathway for cables

Part Number Cabinet Width			Rail Depth Range in (mm)	Shipping Weight lb (kg)
23.6"W (600 mm)	27.6"W (700 mm)	31.5"W (800 mm)		
N/A	39077-X00	39077-X00	22-34 (558-863)	5 (2.3)

X=color: C=Black, E=Glacier White.

Full Height PDU Bracket

Full Height Dual PDU Bracket supports two vertical PDUs side-by-side and has multiple slots for CPI Saf-T-Grip® Straps or tie wraps to secure cords to the bracket.

• Attaches to the frame, adjusts in depth independent of the mounting rails
• Supports two 2.2"W (51 mm) PDUs side-by-side
• Tool-less mounting on 61.25" (1556 mm) or 64.75" (1645 mm) centers
• Bracket is 4.8"W (121 mm), order Saf-T-Grips or cable ties separately

Part Number	Height (U)	Shipping Weight lb (kg)
39086-X00	42	9 (4.1)
39086-X01	43	9 (4.1)
39086-X02	44	9 (4.1)
39086-X03	45	10 (4.5)
39086-X04	46	10 (4.5)
39086-X05	47	10 (4.5)
39086-X06	48	10 (4.5)
39086-X07	49	11 (5.0)
39086-X08	50	11 (5.0)
39086-X09	51	11 (5.0)
39086-X10	52	11 (5.0)

X=color: C=Black, E=Glacier White.

Cable Lashing Bracket

Cable Lashing Bracket creates a simple, separate vertical pathway for a small bundle of cables and has multiple slots for CPI Saf-T-Grip® Straps or tie wraps to secure cables to the bracket.

• Attaches to the frame, adjusts in depth independent of the mounting rails
• Bracket is 1.6"W (41 mm), order Saf-T-Grips or cable ties separately

Part Number - Frame Style		Height (U)	Shipping Weight lb (kg)
6-Slide	4 Slide		
39124-X00	39131-X00	42	4 (1.8)
39124-X01	39131-X01	43	4 (1.8)
39124-X02	39131-X02	44	4 (1.8)
39124-X03	39131-X03	45	5 (2.3)
39124-X04	39131-X04	46	5 (2.3)
39124-X05	39131-X05	47	5 (2.3)
39124-X06	39131-X06	48	5 (2.3)
39124-X07	39131-X07	49	5 (2.3)
39124-X08	39131-X08	50	5 (2.3)
39124-X09	39131-X09	51	5 (2.3)
39124-X10	39131-X10	52	5 (2.3)

X=color: C=Black, E=Glacier White.

Ring Cable Manager

Ring Cable Manager is independent of the equipment mounting rails, creating a separate vertical pathway for cables and includes plastic cable rings to organize cables.

• Attaches to the frame, adjusts in depth independent of the mounting rails
• Rings have an opening on the front for easy addition or removal of cables
• Includes: brackets, rings, installation hardware

Part Number - Cabinet Width For 6-Slide Frame Style			Height (U)	Shipping Weight lb (kg)
23.6"W (600 mm)	27.6"W (700 mm)	31.5"W (800 mm)		
39087-X00	39088-X00	39089-X00	42	13 (5.9)
39087-X01	39088-X01	39089-X01	43	13 (5.9)
39087-X02	39088-X02	39089-X02	44	13 (5.9)
39087-X03	39088-X03	39089-X03	45	14 (6.4)
39087-X04	39088-X04	39089-X04	46	14 (6.4)
39087-X05	39088-X05	39089-X05	47	14 (6.4)
39087-X06	39088-X06	39089-X06	48	14 (6.4)
39087-X07	39088-X07	39089-X07	49	14 (6.4)
39087-X08	39088-X08	39089-X08	50	15 (6.8)
39087-X09	39088-X09	39089-X09	51	15 (6.8)
39087-X10	39088-X10	39089-X10	52	15 (6.8)

Part Number - Cabinet Width For 4-Slide Frame Style			Height (U)	Shipping Weight lb (kg)
23.6"W (600 mm)	27.6"W (700 mm)	31.5"W (800 mm)		
39127-X00	39128-X00	39129-X00	42	14 (6.4)
39127-X01	39128-X01	39129-X01	43	14 (6.4)
39127-X02	39128-X02	39129-X02	44	14 (6.4)
39127-X03	39128-X03	39129-X03	45	14 (6.4)
39127-X04	39128-X04	39129-X04	46	14 (6.4)
39127-X05	39128-X05	39129-X05	47	15 (6.8)
39127-X06	39128-X06	39129-X06	48	15 (6.8)
39127-X07	39128-X07	39129-X07	49	15 (6.8)
39127-X08	39128-X08	39129-X08	50	15 (6.8)
39127-X09	39128-X09	39129-X09	51	15 (6.8)
39127-X10	39128-X10	39129-X10	52	15 (6.8)

X=color; C=Black, E=Glacier White. Shipping Weights are 800 mm kits.

Ring Manager Rail Setback Table on right.
Note: Rail setback is the minimum distance required between the front edge of the cabinet frame and the front edge of the equipment mounting rail.

Inside Dimensions, Usable Internal Cable Area, Rails Setback					
Cabinet Width	Width in (mm)	Depth in (mm)	Cable Area in² (mm²)	Rail Setback in (mm) 6-Slide	Rail Setback in (mm) 4-Slide
23.6 (600)	.9 (29)	3.3 (84)	2.9 (1870)	7.6 (193)	9.1 (231)
27.6 (700)	2.3 (58)	5.5 (140)	12.6 (8130)	8.2 (208)	8.2 (208)
31.5 (800)	4.2 (107)	3.5 (89)	14.7 (9480)	6.4 (163)	6.4 (163)

CPI: 800-834-4969

The F-Series TeraFrame® HD Cabinet System

Metric footprint for international use

Available in 600 mm width, three heights and two depths

Includes two pairs of sliding, continuously adjustable equipment mounting rails to provide front and rear support for 19"W (482.6 mm) EIA/ECA-310-E compliant rack-mount equipment and shelves

Mounting rails have 1.75"H (44.45 mm) rack-mount units and are available with square-punched holes that accept cage nuts; rack-mount units are marked and numbered bottom-to-top on all rails

Includes a single-point cam latch with keyed locks

Includes a single, perforated, curved metal front door (79% open); reversible to open from the right or left, easy to remove at 90˚ open position

Open base for cable entry; includes leveling feet and heavy-duty casters with roller bearings for superior, long-term performance

A bottom panel is available as an accesory

Choose a solid top panel with two (server-style) brush-sealed network cable access ports, or use the Vertical Exhaust Duct option with high heat density applications to isolate and remove hot air from the room

Heavy-Duty, welded steel and bolted aluminum frame construction supports up to 3000 lb (1360.0 kg) of equipment in a dynamic environment

Easy to remove solid side panels have recessed spring-loaded latches with keyed locks; cabinets can be bayed (side-by-side) with side panels installed

Choose a solid metal, perforated metal or double, perforated metal rear door

The mounting rails, top panel, side panels and doors are electrically bonded to the cabinet frame; a ground terminal block is included to attach the frame to the CBN or TGB

Organize network cables, power distribution units and power cords along the sides of the cabinet with optional side-mounted vertical cable and power managers

Heavy-duty shock pallet and re-usable cushioned carton allow the cabinet to be reshipped after equipment is installed

Heavy-duty welded steel ramp provides a safe method for unloading the cabinet from the pallet upon arrival at customer site

Static & dynamic load rating of 3000 lb (1360 kg)

F-Series TeraFrame® HD Cabinet System

The F-Series TeraFrame® HD Cabinet System is designed for safe transportation of up to 3000 lb (1360 kg) of electronic equipment from a factory integration site, direct to the customer's data center.

Every cabinet includes two pairs of sliding, continuously adjustable equipment mounting rails with square-punched mounting holes for compatibility with most rack-mount equipment. In addition, the F-Series TeraFrame HD Cabinet system includes heavy duty casters with roller bearings for superior long-term performance under load, a shock pallet and a reusable cushioned carton for protection during shipment.

The top panel includes large brush-covered cable openings that will handle large bundles of cables, while preventing undesirable hot air recirculation. The top panel includes a removable cover plate, allowing the use of a Vertical Exhaust Duct for high-density applications. Cabinets include solid side panels to protect equipment.

Heavy-duty steel ramp is an optional accessory designed to simplify unloading the populated cabinet from the shock pallet. An optional bolt-down kit allows the cabinet to be securely anchored to the floor structure and can be installed prior to the cabinet's arrival to minimize installation time. Combine the F-Series TeraFrame HD Cabinet with thermal and cable management accessories to create a custom solution that fits your exact needs.

Cabinet Specifications:

- Available in 600 mm width, 3 heights and 2 depths
- Provides front and rear support for 19"W EIA equipment and shelves, with two pairs of adjustable depth rack-mount unit marked and numbered equipment mounting rails
- Includes grounding and bonding kit
- Includes leveling feet and casters
- Can be ordered with a server top panel or Vertical Exhaust Duct
- Choose from three rear door styles
- Heavy-duty welded steel and bolted aluminum frame construction
- Load rating:
  – 3000 lb (1360 kg) static
  – 3000 lb (1360 kg) dynamic

Cabinet Includes:

- (1) Four-post frame (painted finish)
- (4) Vertical Mounting Rails (square-punched)
- (1) Grounding/Bonding Kit
- (2) Locking, Solid Side Panels
- (1) Front Door
- (1) Rear Door
- (1) Top Panel
- (4) Leveling Feet and casters
- (1) Bag of 25 Each M6 Cage Nuts and Screws (square-punched rails)
- (1) Shock pallet rated for 3000 lb of equipment (excluding cabinet weight)
- (1) Reusable cushioned carton

F-SERIES TERAFRAME® HD CABINET SYSTEM

Use the part number matrix below to select a F-Series TeraFrame HD Cabinet. Choose the **H**eight, **W**idth, **D**epth, **R**ail Style, **F**ront Door, **R**ear **D**oor, **L**atch, **C**olor, **T**op **P**anel and **S**ide **P**anel style to form a part number. To order the cabinet with accessories installed, contact CPI Technical Support. ***Example Cabinet Part Number:*** *FHD-F1U-111B-C52*

| FHD | - | H | W | D | - | R | FD | RD | L | - | C | TP | SP |

1. Height

Cabinet		Frame			
in	mm	in	mm	U	
82.5	2096	78.1	1984	42	**C**
87.7	2228	83.4	2118	45	**F**
91.2	2316	86.9	2207	47	**H**

Cabinet height includes casters.

2. Width

Cabinet		EIA	Frame		
in	mm		in	mm	
23.6	600	19"	23.4	594	**1**

3. Depth

Cabinet		Rails		Frame		
in	mm	in	mm	in	mm	
46.1	1172	39.4	1001	42.3	1075	**M**
51.0	1297	44.3	1126	47.2	1200	**U**

4. Rail Style

Square-Punched, 2 Pair	**1**

5. Front Door

1	Single, Perforated Metal

6. Rear Door

1	Single, Solid Metal
2	Single, Perforated Metal
3	Double, Perforated Metal

7. Latches (Door)

B	Single-Point, Cam Latch, Keyed Lock

The rear double-door will have a two-point latch.

8. Color

C	Black

9. Top Panel Style

4	Server, 2 Cable Openings
5	Vertical Exhaust Duct System, 20"-34"H (508 mm-863 mm)
6	Vertical Exhaust Duct System, 34"-60"H (863 mm-1523 mm)

Use a solid rear door with ducted options.;

10. Side Panel Style

2	Solid, 2 each

Notes:

1. Height: Three heights are available. The cabinet height is the overall height of the cabinet with a top panel and casters. The frame height is the height of the internal frame without the top panel or casters. Casters add approximately 4.2 inches (107 mm) to the height of the frame and cabinet.
2. Width: Overall cabinet width with side panels is 23.6 inches (600 mm). The cabinet includes equipment mounting rails spaced for 19"EIA (482.6 mm) rack-mount equipment.
3. Depth: Two depths are available. Cabinet depth is the overall depth of the cabinet including doors. Frame depth is the outside depth of the frame excluding doors. Doors add approximately 3.8 inches (97 mm) to overall depth. Rail depth is the maximum front-to-rear spacing of equipment mounting rails. Rail depth is reduced by an equipment mounting rail setback when accessories are added.
4. Rail Style: Square-punched rails use snap-in cage nut hardware that can be changed to match equipment requirements. Order additional mounting hardware as required.
5. Front Door Style: The door matches the color of the cabinet and includes an anodized aluminum center beam.
6. Rear Door Style: Three rear door styles are available. The double-door reduces the amount of aisle space required to access the rear of the cabinet. Double doors have two-point latches. A single solid metal door must be used when the Vertical Exhaust Duct System top panel style is selected.
7. Latches: All doors have a swing handle. Single doors have a single-point cam latch with keyed lock; the double-door has a two-point cam latch with keyed lock. The keyed lock includes a physical key, which matches the locks on the doors and side panels.
8. Color: The frame, doors, side panels and top panel are painted black. Mounting rails are zinc plated.
9. Top Panel Style: There are two styles of top panels available. Server Top Panels have two large brush-sealed cable openings and include a removable cover plate for the Vertical Exhaust Duct. The Vertical Exhaust Duct System includes a Server Top Panel, a top-mount Vertical Exhaust Duct, an Airflow Director and a Rear Door Sealing Kit. Select from duct height ranges: 20" to 34" (508 mm – 863 mm) or 34" to 60" (863 mm – 1523 mm) high to match ceiling height. Use with a single solid rear door.
10. Side Panel Style: Side panels are solid. Cabinets are bayed with side panels installed. Order baying kits separately.

TeraFrame HD Cabinet Accessories

Unloading Ramp

Safely remove a loaded cabinet from the shock pallet at the customer site with this reusable, heavy-duty steel unloading ramp. The ramp is 78"L (1981 mm), provides a 5° incline, has U-shaped narrow width tracks and bolts to the shock pallet to ensure the ramp and pallet remain connected. Order one per customer site.

16280-C01

Bolt Down Kit

Securely anchors F-Series TeraFrame HD Cabinets to the floor. The kit includes two heavy-duty two-piece steel brackets that attach to the cabinet frame. Disassemble the brackets and mount the L-shaped floor flanges, roll cabinets into place and secure the cabinets to the floor flanges with the remaining bracket. Once installed, the Bolt Down Kit covers the opening between the cabinet frame and floor at the front and rear of the cabinet, concealing the casters and providing a barrier that minimizes air leakage underneath the cabinet. Order required floor anchor hardware separately.

16279-C01

Side Skirt

The Side Skirt attaches to the Bolt Down Kit (P/N 16279-X01), conceals the casters and provides a barrier that minimizes air leakage under the cabinet. Use one Side Skirt on each end of multi-cabinet rows. Each kit includes one cover and installation hardware. Select the depth to match the cabinet.

16277-C1X

Baying and Fascia Kit

Allows you to bay and center two F-Series TeraFrame HD Cabinets (same height and depth) over 24"W (610 mm) raised access floor tiles. The kit includes two brackets and hardware to space and connect the cabinets together, and two fascias that cover and hide the 0.4" (10 mm) gap between the cabinets.

16271-C0X

Air Dam Kit

The Air Dam Kit blocks airflow around the top, bottom and sides of the rack-mount space inside the cabinet. Use Snap-In Filler Panels with Air Dam Kit to separate hot and cold air inside the cabinet. The kit requires a 1.7"(43 mm) to 2.5" (63 mm) equipment mounting rail setback. Select the height to match the cabinet.

16270-C0X
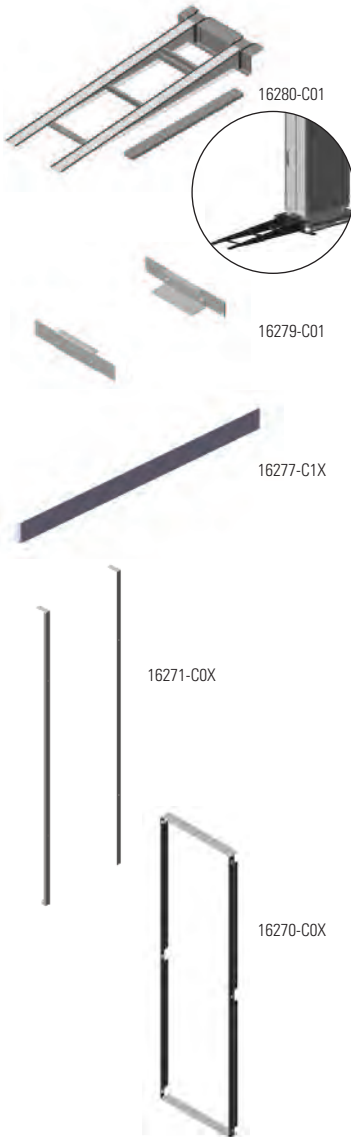
Part Number	Description	Shipping Weight lb (kg)
16280-C01	Unloading Ramp, Black	185 (83.9)
16279-C01	Bolt Down Kit, Black	14 (6.4)
16277-C11	Side Skirt, For 42.3 (1075), Black	6 (2.7)
16277-C16	Side Skirt, For 47.2 (1200), Black	6 (2.7)
16271-C02	Baying/Fascia Kit, For 42U Cabinets, Black	10 (4.5)
16271-C05	Baying/Fascia Kit, For 45U Cabinets, Black	10 (4.5)
16271-C07	Baying/Fascia Kit, For 47U Cabinets, Black	10 (4.5)
16270-C02	Air Dam Kit, For 42U Cabinets, Black	12 (5.4)
16270-C05	Air Dam Kit, For 45U Cabinets, Black	13 (5.9)
16270-C07	Air Dam Kit, For 47U Cabinets, Black	13 (5.9)

16278-C01

16272-C02

16273-C02

16274-C02
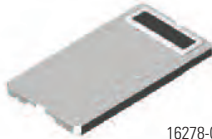
16275-C01

Bottom Panel

Covers the bottom of the cabinet and blocks airflow in and out of the base of the cabinet. The two-piece telescoping design includes one brush-sealed 3" x 11.75" (76 mm x 292 mm) cable access port located at the rear center of the panel and fits all sizes.

Cable Lashing Bar

Secures a single network or power cable bundle within the cabinet and features notched edges to ensure Saf-T-Grips and cable ties do not slide. The bar attaches to the cabinet frame and is only 1.5"W (38 mm), allowing multiple bars to be placed side-by-side. Requires a minimum 2.5" (64 mm) equipment mounting rail setback. Select the bar to match cabinet height.

Cable Lashing Bracket

Secures multiple network or power cable bundles within the cabinet featuring U-shaped attachment points for Saf-T-Grips or cable ties. The bracket attaches to the cabinet frame and is 5.125"W (130 mm), and requires a minimum 5" (127 mm) equipment mounting rail setback.
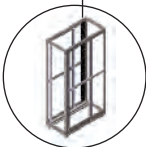
Power Strip Lashing Bracket

Supports one 3.5"W (89 mm) or two 2.3"W (58 mm) CPI Vertical PDU/Power Strips and provides multiple attachment points for fastening power cable bundles with Saf-T-Grip Straps or cable ties. The bracket attaches to the cabinet frame and is 8.375"W (213 mm). Power strip mounting holes are spaced 64.75" (1645 mm) or 36.75" (934 mm) apart. The bracket requires a minimum 5" (127 mm) equipment mounting rail setback.

Vertical Cable Ring Manager

Attaches to the side of the cabinet's equipment mounting rails and has plastic C-shaped cable management rings that guide and manage cables. Rings are 1.4"W (36 mm) and 4"D (100 mm). The manager requires a minimum 4.8" (122 mm) equipment mounting rail setback.
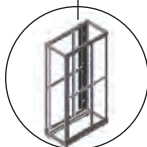
Part Number	Description	Shipping Weight lb (kg)
16278-C01	Bottom Panel	19 (8.6)
16272-C02	Cable Lashing Bar, For 42U Cabinets	7 (3.2)
16272-C05	Cable Lashing Bar, For 45U Cabinets	8 (3.6)
16272-C07	Cable Lashing Bar, For 47U Cabinets	8 (3.6)
16273-C02	Cable Lashing Bracket, For 42U Cabinets	12 (5.4)
16273-C05	Cable Lashing Bracket, For 45U Cabinets	13 (5.9)
16273-C07	Cable Lashing Bracket, For 47U Cabinets	14 (6.4)
16274-C02	Power Strip Bracket, For 42U Cabinets	14 (6.4)
16274-C05	Power Strip Bracket, For 45U Cabinets	15 (8.8)
16274-C07	Power Strip Bracket, For 47U Cabinets	16 (7.3)
16275-C02	Cable Ring Manager, For 42U Cabinets	5 (2.3)
16275-C05	Cable Ring Manager, For 45U Cabinets	5 (2.3)
16275-C07	Cable Ring Manager, For 47U Cabinets	6 (2.7)

Color is black. Power Lashing Bracket (-C05) or taller bracket required for 68.5"H (1740 mm) and 70.5"H (1791 mm) PDUs.

The N-Series TeraFrame® Network Cabinet

Metric footprint for international use

Available in 10 heights and 11 depths (110 standard sizes)

Includes two pairs of equipment mounting rails to provide front and rear support for 19" EIA-310-D compliant equipment and shelves; mounting rails have 1.75"H (44.45 mm) rack-mount units and are available with square-punched or threaded attachment points

Rack-mount units are marked and numbered on each mounting rail

Choose keyed or combination/keyed locks; order Right Hand Door Latch Kit (P/N 34684-C02) to reverse front door swing

Network Cabinet comes with single, perforated front door with handle and two-point latch swing

The Network Switch Exhaust Duct guides hot exhaust air from the side of rack-mount switches out the rear door

Standoff Brackets offset doors and side panels to provide extra space around equipment for enhanced side-to-side airflow and additional cable management

Comes with a five-piece top panel, center panel and four perimeter panels (front, sides, rear) with cable knockouts

Frames are welded steel and support up to 2500 lb (1134.0 kg) of equipment

Choose solid or vented easy to remove side panels; side panels have recessed latches with keyed locks

Cabinets can be bayed (side-by-side) when side panels are removed

Cabinet comes with a double, perforated rear door with swing handle and two-point latch

Organize fiber trunk cables along the sides of the cabinet with optional side-mounted vertical fiber managers

Open base for cable entry; includes leveling feet and floor attachment brackets (casters are available as an accessory)

Designed specifically to control side-to-side airflow for network switch equipment deployed in a hot aisle/cold aisle data center environment

N-Series TeraFrame® Network Cabinet

The N-Series TeraFrame® Network Cabinet provides an engineered solution for network switches and cabling in data centers with hot aisle/cold aisle layouts, delivering superior thermal management for high-density applications.

Featuring offset doors and side panels, the N-Series TeraFrame Network Cabinet provides extra interior space around the cabinet frame for cable management and enhanced airflow. Select the Network Switch Exhaust Duct option when deploying network switches that require side-to-side airflow. The Network Switch Exhaust Duct isolates and re-directs hot exhaust air out the rear of the cabinet to help prevent the recirculation of hot air through equipment and establishes proper airflow for a hot aisle/cold aisle layout.

The N-Series TeraFrame Network Cabinet includes vertical cable guides and cable management spools to help organize cables. The guides are T-shaped with openings that align with each rack-mount unit on the rack and attach to the front of the cabinet frame. The spools attach to the side of the cabinet frame and help guide cables along the side of the cabinet, preventing them from accidentally blocking air intakes on switch chassis. Use the vertical cable guides and cable management spools to route cables to the sides of switches to maintain full access to the switch I/O and fan modules.

Specifications:
- Available in 10 heights and 11 depths
- Designed to meet third party specifications for specific manufacturer switches
- Matches standard TeraFrame Cabinet system style and sizes
- Includes two pairs of 19" EIA equipment mounting rails providing front and rear support for equipment and shelves
- Static load rating:
  - 2500 lb (1134 kg) on leveler feet

Cabinet Includes:
- (1) Welded Steel Four-Post Frame
- (4) Equipment Mounting Rails
- (1) Single, Perforated Front Door with Swing Handle
- (1) Double, Perforated Rear Door with Swing Handle
- (1) Five-piece Top Panel
- (4) Leveler Feet and Floor Anchor Brackets
- (1) Ground Terminal Block
- (1) Baying Kit
- (1) Bag of 25 Each M6 Cage Nuts and Screws (square-punched rails)
- (1) Bag of 50 Each #12-24 Rack Channel Mounting Screws (tapped rails)

Applications:
The N-Series TeraFrame Network Cabinet supports **Cisco Catalyst, Cisco Nexus** and **Juniper Network** switches. Many other switches can also benefit from the superior thermal management designed into the N-Series TeraFrame Network Cabinet. More information on specific switch models is available on page 2-28 or at www.chatsworth.com.
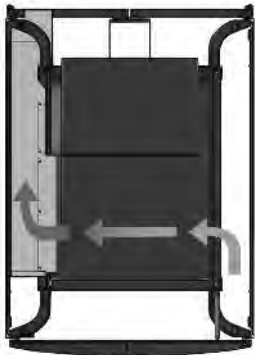
The Network Switch Exhaust Duct guides hot exhaust air from the side of the switch and out of the rear door of the cabinet.

Use the part number configurator below to create a custom N-Series TeraFrame Network Cabinet. Choose the **H**eight, **W**ith or **W**ithout Duct, **D**epth, **R**ail Style, **F**ront **D**oor, **R**ear **D**oor, **L**atch, **C**olor, **T**op **P**anel Style and **S**ide **P**anel Style.

Example Cabinet Part Number: *NF1K-113C-C42*

N	H	W	D	-	R	FD	RD	L	-	C	TP	SP

1. Height

Cabinet		Frame		U	
in	mm	in	mm		
78.3	1989	78.1	1984	42	**C**
80.0	2033	79.9	2029	43	**D**
81.8	2077	81.6	2073	44	**E**
83.5	2122	83.4	2118	45	**F**
85.3	2166	85.1	2162	46	**G**
87.0	2211	86.9	2207	47	**H**
88.8	2255	88.6	2251	48	**J**
90.5	2300	90.4	2296	49	**K**
92.3	2344	92.1	2340	50	**L**
94.0	2389	93.9	2385	51	**M**

Note: When sizing to match the N-Series TeraFrame Cabinet System, use the same part number digit for cabinet height and depth as the F-Series TeraFrame.

2. Network Switch Exhaust Duct

None - Includes two Cable Finger Kits	**0**
Included - Includes one Cable Finger Kit	**1**

Note: Use the Network Switch Exhaust Duct with switches that require side airflow. See Ordering Notes 3 and 4 for additional information.

3. Depth

Cabinet		Rail (max)		N-Series Frame Size		Equiv. F-Series Frame Size		
in	mm	in	mm	in	mm	in	mm	
41.2	1047	22.6	575	25.6	650	37.4	950	**G**
42.2	1072	23.6	600	26.6	675	38.4	975	**H**
43.2	1097	24.6	625	27.6	700	39.4	1000	**J**
44.2	1122	25.6	650	28.5	725	40.4	1025	**K**
45.2	1147	26.6	675	29.5	750	41.3	1050	**L**
46.1	1172	27.6	700	30.5	775	42.3	1075	**M**
47.1	1197	28.6	725	31.5	800	43.3	1100	**N**
48.1	1222	29.5	750	32.5	825	44.3	1125	**P**
49.1	1247	30.5	775	33.5	850	45.3	1150	**R**
50.1	1272	31.5	800	34.4	875	46.3	1175	**T**
51.1	1297	32.5	825	35.4	900	47.2	1200	**U**

Note: Depths G and H have a maximum rail spacing less than 24" (610 mm) and will not support certain switch mounting brackets. Use CPI P/N 12336-719, 18" D (460 mm) Fixed Shelf, to support equipment when ordering these cabinet sizes.

10. Side Panel Style

0	None
1	Solid, 1 each
2	Solid, 2 each
3	Vented, 1 each
4	Vented, 2 each

9. Top Panel

4	Solid with Knock-Out Ports

8. Color

C	Black
E	Glacier White

7. Latches (Door)

C	Two-Point, Cam Latch, Keyed Lock
E	Two-Point, Cam Latch, Combination Lock

6. Rear Door

3	Double, Perforated Metal

5. Front Door

1	Single, Perforated Metal

4. Rail Style

1	Square Punch, 2 Pair
2	Tapped, #12-24, 2 Pair

The N-Series TeraFrame Network Cabinet supports Cisco Catalyst, Cisco Nexus and Juniper Network switches. See next page for specific part number information.

N-SERIES TERAFRAME® NETWORK CABINET

Notes:

1. Height: Ten heights are available. The frame height is the height of the internal frame without the top panel. The cabinet height is the overall height of the cabinet with a top panel. Leveler feet add approximately 1" (25 mm) to the height of the cabinet. Frame heights match F-Series TeraFrame Cabinet System heights. Accessory Caster Kits adds approximately 2.5" (64 mm) to the height of the cabinet.

2. Width: One width is available. Overall cabinet width with side panels is 31.5" (800 mm). The internal frame width without side panels is 23.6" (600 mm). The included mounting rails are 19" EIA-310-D compliant.

3. Network Switch Exhaust Duct: Select [1] to include a Network Switch Exhaust Duct with the cabinet (special configurations are listed under note 4 below). The duct will be pre-installed into the cabinet and includes removable exhaust panels on the side that faces the equipment. The duct is 2U less than the full height of the cabinet. Select [0] to exclude the duct for patching applications or switches that have front-to-rear airflow. Cabinets that include the Network Switch Exhaust Duct include one Cable Management Fingers Kit (see next page). Cabinets that do not include the Network Switch Exhaust Duct include two Cable Management Fingers Kits.

4. Depth: Eleven depths are available. The frame depth is the depth of the internal frame without doors. The cabinet depth is the overall depth of the cabinet with doors. Rail depth is the maximum rail-to-rail depth within the frame. The N-Series TeraFrame Network Cabinet can be used side-by-side with the F-Series TeraFrame Cabinet System. Overall cabinet depths are the same. Equivalent F-Series TeraFrame frame depths are listed in a separate column in the order table.

5. Rail Style: Square-punched rails use snap-in cage nut hardware (P/N 12637-001, 12628-001 or 12639-001) that can be changed to match equipment requirements. Tapped rails use screws (P/N 40605-001 or 40605-005). Order additional mounting hardware as required (see page 2-16).

6. Front Door: The front door is hinged on the right side. To reverse the swing, order a Right Hand Door Latch Kit (P/N 34684-C02).

7. Latches: All doors have swing handles and a two point cam latch. The keyed lock includes a physical key. The combination lock has a programmable three-digit combination and is opened with three dials on the handle or with a key.

8. Side Panels: Vented and solid side panels are available. Select a quantity of one or two panels per cabinet. Omit side panels to bay cabinets.

In addition to the N-Series TeraFrame Network Cabinet Solution in the order table on the previous page, specific N-Series TeraFrame Network Cabinet configurations have been developed for the following Manufacturer's Switches:

Meets Compatibility Guidelines for:	Part Number	Dimensions H x W x D - in (mm)
Cisco Nexus 7010 switch	NF0U-113C-C42	45U x 31.5 x 47.2 (800 x 1200)***
Cisco Catalyst 6500, 6509* and 6513 switches Cisco MDS 9509 director	NF2K-113C-C42	45U x 31.5 x 40.4 (800 x 1025)**
Cisco MDS 9513 director	NF3K-113C-C42	45U x 31.5 x 40.4 (800 x 1025)**
Juniper EX8208 or EX8216	NF4M-113C-C42	45U x 31.5 x 42.3 (800 x 1075)**
Cisco Nexus 7018 switch	NF5U-143C-C42	45U x 40.0 x 47.2 (1016 x 1200)***

*Cisco 6509-NEBS does not require Network Switch Exhaust Duct.
**Dimensions correspond to Equivalent TeraFrame depth in the order matrix on previous page.
***Other sizes avialable to support this switch.

For more information on N-Series solutions for Cisco Switches, refer to **www.chatsworth.com/ciscoteraframe** and for more information on N-Series solutions for Juniper Network Switches, refer to the **www.chatsworth.com/juniperteraframe**.

Patent Pending

34620-CXX

Included with some cabinets.
*Duct only compatible with P/N NF4M-113C-C42.

34680-00X

Included with each cabinet.

34628-C01
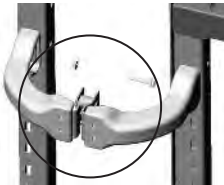
34682-C01

34684-C02

TeraFrame N-Series Cabinet Accessories

Network Switch Exhaust Duct Panel

Included with cabinets equipped with the Network Switch Exhaust Duct. Install above and below switches to form a seal between the exhaust grill on the switch chassis and the exhaust duct. Order additional panels separately.

Cable Management Fingers Kit

Includes a set of T-shaped cable guides (with five cable spools) that attach to the front of the cabinet frame. The openings align with the rack-mount unit spaces on the rack and can pass up to 48 CAT 6a patch cords. The cable spools are approximately 1" (25 mm) in diameter and 4"H (100 mm) and attach to the side of the cabinet frame to maintain cables in the front or rear corners.

Caster Kit

Set of four full-swivel casters and mounting brackets that attach to the outside corners of the cabinet frame and can be removed after the cabinet moved and set. Position the cabinet before loading it with equipment.

Baying Kit

Connect two N-series TeraFrame Network Cabinets (same height and depth) side-by-side. Side panels must be removed.

Right Hand Door Latch

Allows front door to be reversed to open from the right (hinges on left).

Part Number	Description Height	Shipping Weight lb (kg)
34620-C01	Network Exhaust Duct, 2U to 3U Panel, Black	3 (1.4)
34620-C02	Network Exhaust Duct, 4U to 7U Panel, Black	4 (1.8)
34620-C03	Network Exhaust Duct, 8U to 15U Panel, Black	6 (2.7)
34620-C11*	Network Exhaust Duct, 2U to 3U Panel, Black	3 (1.4)
34620-C12*	Network Exhaust Duct, 4U to 7U Panel, Black	4 (1.8)
34620-C13*	Network Exhaust Duct, 8U to 15U Panel, Black	6 (2.7)
34680-002	Cable Fingers Kit, For 42U Cabinets, Black	4 (1.8)
34680-003	Cable Fingers Kit, For 43U Cabinets, Black	4 (1.8)
34680-004	Cable Fingers Kit, For 44U Cabinets, Black	4 (1.8)
34680-005	Cable Fingers Kit, For 45U Cabinets, Black	4 (1.8)
34680-006	Cable Fingers Kit, For 46U Cabinets, Black	4 (1.8)
34680-007	Cable Fingers Kit, For 47U Cabinets, Black	4 (1.8)
34680-008	Cable Fingers Kit, For 48U Cabinets, Black	4 (1.8)
34680-009	Cable Fingers Kit, For 49U Cabinets, Black	4 (1.8)
34680-010	Cable Fingers Kit, For 50U Cabinets, Black	4 (1.8)
34680-011	Cable Fingers Kit, For 51U Cabinets, Black	4 (1.8)
34628-C01	Caster Kit, Set of 4, Black	25 (11.3)
34682-C01	Cabinet Baying Kit	5 (2.3)
34684-C02	Right Hand Door Latch Kit	5 (2.3)

*Duct only compatible with P/N NF4M-113C-C42.

Mounting Rails

Two mounting rail styles are available.

Fixed Mounting Rails

Replacement pair of mounting rails for the front side of the N-Series TeraFrame Network Cabinets equipped with the Network Switch Exhaust Duct. Mounting rails attach to the cabinet frame's vertical uprights and are not adjustable in depth. The rail minimizes interference with the airflow of the network switch. Match to cabinet height.

Part Number		Description Height	Shipping Weight lb (kg)
Square-Punched	Tapped #12-24		
34626-002	34667-002	For 42U Cabinet	13 (5.9)
34626-003	34667-003	For 43U Cabinet	13 (5.9)
34626-004	34667-004	For 44U Cabinet	14 (6.4)
34626-005	34667-005	For 45U Cabinet	14 (6.4)
34626-006	34667-006	For 46U Cabinet	14 (6.4)
34626-007	34667-007	For 47U Cabinet	14 (6.4)
34626-008	34667-008	For 48U Cabinet	14 (6.4)
34626-009	34667-009	For 49U Cabinet	15 (6.8)
34626-010	34667-010	For 50U Cabinet	15 (6.8)
34626-011	34667-011	For 51U Cabinet	15 (6.8)

Adjustable-Depth Mounting Rails

Replacement pair of mounting rails for the rear side of the N-Series TeraFrame Network Cabinets equipped with the Network Switch Exhaust Duct and for the front and rear of cabinets that do not have an exhaust duct. Mounting rails attach to the side of the cabinet frame and adjust in depth front-to-rear. Match to cabinet height.

Part Number		Description Height	Shipping Weight lb (kg)
Square-Punched	Tapped #12-24		
34408-002	34409-002	For 42U Cabinet	27 (12.2)
34408-003	34409-003	For 43U Cabinet	28 (12.7)
34408-004	34409-004	For 44U Cabinet	28 (12.7)
34408-005	34409-005	For 45U Cabinet	29 (13.2)
34408-006	34409-006	For 46U Cabinet	29 (13.2)
34408-007	34409-007	For 47U Cabinet	30 (13.6)
34408-008	34409-008	For 48U Cabinet	30 (13.6)
34408-009	34409-009	For 49U Cabinet	31 (14.1)
34408-010	34409-010	For 50U Cabinet	31 (14.1)
34408-011	34409-011	For 51U Cabinet	32 (14.5)

*Mounting rails are plated and silver color. *Shipping weights are for tapped rails.*

Front of cabinet shown with fixed rails.

Rear of cabinet shown with adjustable rails.

Additional accessories available, visit www.chatsworth.com for more information.
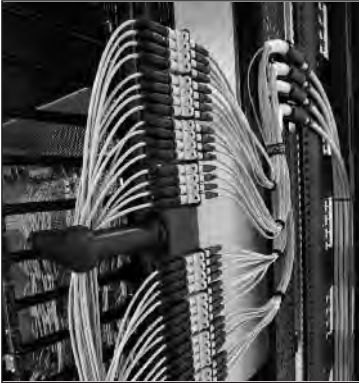
Fiber Management Accessories For N-Series Network Cabinets

CPI Fiber Management for the N-Series TeraFrame® Network Cabinet is designed to manage Corning Cable Systems LANscape® Pretium™ Zero-U System, a compliment to Plug & Play™ Universal Systems products to support Fiber Channel connectivity in Storage Area Networks (SANs) and 10-, 40- and 100-Gigabit Ethernet in the data center. Manage large volumes of optical fiber cable and patch cords in cabinets that store large modular switches (directors). CPI and Corning Cable Systems provide a solution that maximizes available cabinet rack space.

The system supports and provides for attachment and strain-relief of the Plug & Play Universal Systems trunk cables, as well as mounting of Plug & Play Universal Systems Modules and/or high-density Zero-U System MTP Adapter Brackets in the zero rack-mount unit space between the cabinet frame and side panel. The TeraFrame Cabinet Systems are designed to support high-density cabling and thermal management for modular switches.
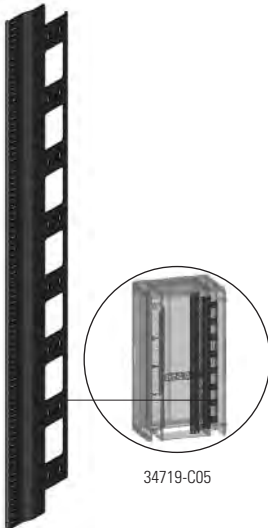
Fiber Trunk Cable Manager

Attaches to the the rear frame upright on the N-Series TeraFrame Network Cabinet and supports and protects Corning Cable Systems Plug & Play Universal Systems trunk cables as the cables transition from vertical to horizontal orientation to make connections inside the cabinet. It is used in combination with the Vertical Furcation Bracket and provides critical strain relief so that the furcation plug on the trunk cable can mount properly to the Vertical Furcation Bracket. It is C-shaped, 9.7"W x 0.5"D (246 mm x 13 mm), made from steel, includes installation hardware and is sized to support connections for two fully populated Cisco 9513 series or Brocade 48000 SAN Directors.

34719-C05

Part Number	Description Height in (mm)	Shipping Weight lb (kg)
34719-C02	Fiber Trunk Mgr, For 42U Cabinets, 69.6 (1768)	16 (7.3)
34719-C03	Fiber Trunk Mgr, For 43U Cabinets, 71.4 (1814)	16 (7.3)
34719-C04	Fiber Trunk Mgr, For 44U Cabinets, 73.1 (1857)	17 (7.7)
34719-C05	Fiber Trunk Mgr, For 45U Cabinets, 74.9 (1902)	16 (7.3)
34719-C06	Fiber Trunk Mgr, For 46U Cabinets, 76.6 (1946)	17 (7.7)
34719-C07	Fiber Trunk Mgr, For 47U Cabinets, 78.4 (1991)	17 (7.7)
34719-C08	Fiber Trunk Mgr, For 48U Cabinets, 80.1 (2035)	17 (7.7)
34719-C09	Fiber Trunk Mgr, For 49U Cabinets, 81.9 (2080)	18 (8.2)
34719-C10	Fiber Trunk Mgr, For 50U Cabinets, 83.6 (2123)	18 (8.2)
34719-C11	Fiber Trunk Mgr, For 51U Cabinets, 85.4 (2169)	19 (8.6)

Color is black. Use in CPI N-Series TeraFrame Network Cabinets only. Cannot be installed on the left side of a cabinet that has a Network Switch Exhaust Duct installed. Cannot be used with a Horizontal Furcation Bracket.

FIBER MANAGEMENT FOR TERAFRAME®

34701-C05

Patent Pending

34716-C01

34713-C01
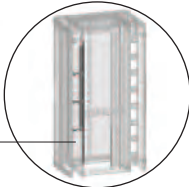
Universal Accessory Rail

Attaches to the front vertical frame upright of the N-Series TeraFrame Network Cabinet and supports Corning Cable Systems high-density Zero-U System MTP Adapter Brackets, Fiber Module Adapters and Swivel Cable Spools in the rack-mount space between the cabinet frame and the cabinet side panel and provides attachment points that align with rack-mount unit. 1.6"W x .8"D (41 mm x 19 mm), C-shaped rail, made from steel and includes installation hardware. Use with the Fiber Trunk Cable Manager and Vertical Furcation Bracket in high-density installations.

Swivel Cable Spool

The spools are recommended next to modular SAN switches to manage cable slack where large numbers of harness assemblies are installed in a small number of rack-mount spaces. 1U high, attaches to the Universal Accessory Rail in the zero rack-mount unit space between the cabinet frame and the cabinet side panel. Spool is 1.7"H x 4"W x 5.5"D (44 mm x 102 mm x 140 mm) overall and includes installation hardware. An L-shaped mounting bracket and an L-shaped spool are also included; the spool rotates 360° with stops at 90° increments. Plastic L-shaped spool is 4"W x 3"D (102 mm x 80 mm), 1" (30 mm) in diameter; the steel L-shaped standoff mounting bracket is 1.7"H x 2.7"W x 2"D (44 mm x 70 mm x 50 mm).

Fiber Module Adapter

4U high adapter mounts to the Universal Accessory Rail in an N-Series TeraFrame Network Cabinet for applications with lower cable densities that do not require the Corning Cable Systems high-density Zero-U System MTP Adapter Brackets and harness assembly connectivity. Supports a single Corning Cable Systems Plug & Play Universal Systems CCH Module in the rack-mount space between the cabinet frame and the cabinet side panel. Is S-shaped, 7"H x 2"W x 2.5"D (178 mm x 50 mm x 64 mm), made from steel and includes installation hardware.

Part Number	Description Height in (mm)	Shipping Weight lb (kg)
34701-C02	For 42U Cabinets, 63.0 (1600)	5 (2.3)
34701-C03	For 43U Cabinets, 64.8 (1645)	5 (2.3)
34701-C04	For 44U Cabinets, 66.5 (1689)	5 (2.3)
34701-C05	For 45U Cabinets, 68.3 (1734)	5 (2.3)
34701-C06	For 46U Cabinets, 70.0 (1778)	6 (2.7)
34701-C07	For 47U Cabinets, 71.8 (1822)	6 (2.7)
34701-C08	For 48U Cabinets, 73.5 (1867)	6 (2.7)
34701-C09	For 49U Cabinets, 75.3 (1911)	6 (2.7)
34701-C10	For 50U Cabinets, 77.0 (1956)	6 (2.7)
34701-C11	For 51U Cabinets, 78.8 (2000)	6 (2.7)
34716-C01	Swivel Cable Spool, Each, Black	2 (0.9)
34716-C02	Swivel Cable Spool, Kit of 6, Black	3 (1.4)
34713-C01	Fiber Module Adapter	2 (0.9)

Color is black. Use Universal Accessory Rail in N-Series TeraFrame Network Cabinets only. 6U (3U top/3U bottom) shorter than the cabinets equipment mounting rails.

Patent Pending

Requires a 5.2" (132 mm) setback if installed inside the rack-mount space behind equipment mounting rails.

Vertical Furcation Bracket

Attaches to the N-Series TeraFrame Network Cabinet and supports Corning Cable Systems Plug & Play Universal Systems trunk cables. Is C-shaped, 5.1"W x .7"D (130 mm x 17 mm), made from steel and includes installation hardware. Color is black.

Part Number	Description Height in (mm)	Shipping Weight lb (kg)
34707-C00	For 24U Cabinets, 38.6 (981)	8 (3.6)
34707-C01	For 36U Cabinets, 59.6 (1514)	10 (4.5)
34707-C02	For 42U Cabinets, 73.6 (1870)	11 (5.0)
34707-C03	For 43U Cabinets, 75.4 (1915)	11 (5.0)
34707-C04	For 44U Cabinets, 77.1 (1959)	12 (5.4)
34707-C05	For 45U Cabinets, 78.9 (2003)	12 (5.4)
34707-C06	For 46U Cabinets, 80.6 (2048)	13 (5.9)
34707-C07	For 47U Cabinets, 82.4 (2092)	13 (5.9)
34707-C08	For 48U Cabinets, 84.1 (2137)	13 (5.9)
34707-C09	For 49U Cabinets, 85.9 (2181)	14 (6.5)
34707-C10	For 50U Cabinets, 87.6 (2226)	14 (6.4)
34707-C11	For 51U Cabinets, 89.4 (2270)	14 (6.4)

Horizontal Furcation Bracket

Attaches the N-Series TeraFrame Network Cabinet and can be used to secure trunk cables in the vertical orientation as the cables enter the cabinet or as a horizontal (front-to-rear) support for the furcation legs of the trunk cable. Is C-shaped, 4.3"W x .5"D (108 mm x 12 mm) with 1.5"D (38 mm) mounting flange, made from steel and includes installation hardware. Color is black.
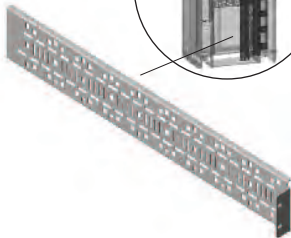
Cannot be used with Fiber Trunk Cable Manager.

Part Number	Description Length in (mm)	Fits Max. Rail Spacing in (mm)	Shipping Weight lb (kg)
34708-C02	22.4 (569)	22.4 (569)	5 (2.3)
34708-C03	23.3 (592)	23.3 (592)	5 (2.3)
34708-C04	24.3 (617)	24.3 (617)	5 (2.3)
34708-C05	25.3 (643)	25.3 (643)	5 (2.3)
34708-C06	26.3 (668)	26.3 (668)	5 (2.3)
34708-C07	27.3 (693)	27.3 (693)	5 (2.3)
34708-C08	28.3 (718)	28.3 (718)	5 (2.3)
34708-C09	29.3 (743)	29.3 (743)	5 (2.3)
34708-C10	30.2 (768)	30.2 (768)	5 (2.3)
34708-C11	31.2 (793)	31.2 (793)	5 (2.3)
34708-C12	32.2 (818)	32.2 (818)	5 (2.3)
34708-C13	33.2 (843)	33.2 (843)	5 (2.3)
34708-C14	34.2 (868)	34.2 (868)	5 (2.3)
34708-C15	35.2 (893)	35.2 (893)	6 (2.7)
34708-C16	36.2 (918)	36.2 (918)	6 (2.7)

Additional accessories available, visit www.chatsworth.com for more information.
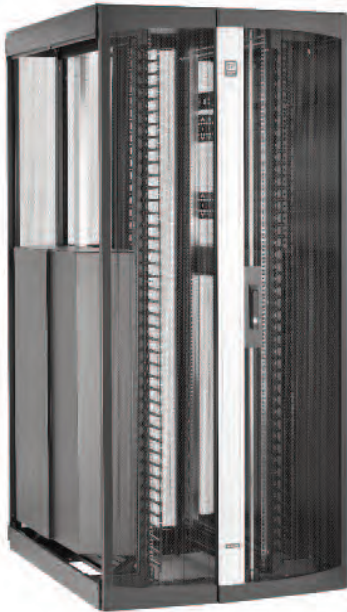
N-Series TeraFrame® Network Cabinet for Cisco® Nexus 7018 Switch

The N-Series TeraFrame® Network Cabinet for the Cisco Nexus 7018 Switch provides an engineered solution that meets the special installation requirements of the Cisco Nexus 7000 Series 18-slot Switch. The Cisco Nexus 7000 Series 18-slot Switch (Nexus 7018) is a large, high-density modular network switch used in data centers to aggregate network connections from individual servers and top-of-rack or end-of-row switches. When fully configured, the switch can support 768 each 1-Gbps network connections or 512 each 10-Gbps network connections. It weighs up to 684 pounds (311 kg) and can produce up to 56,300 BTU/hr (16.5 kW) of exhaust heat. The Nexus 7018 uses side-to-side airflow to cool I/O modules. Unobstructed airflow and a well-defined cable pathway are critical to switch performance.

The N-Series TeraFrame Network Cabinet for the Cisco Nexus 7018 Switch features an internal 19" EIA four-post frame that supports the switch and offsets side panels and doors that provide the required additional interior space for managing cables and airflow. An integrated Network Switch Exhaust Duct on the left side of the cabinet captures and guides hot exhaust air from the side of the switch to the rear door, preventing the recirculation of hot exhaust air through the switch. Plastic T-shaped Cable Management Fingers with openings that align with each rack-mount unit on the rack manage cables as they exit the I/O modules. A Front-To-Rear Cable Manager Kit routes cables front-to-rear along the side of the cabinet and large brush-sealed panels on the top of the cabinet allow cables to easily enter or exit the cabinet. The cabinet also features perforated double doors on the front and rear to provide front-to-rear airflow and minimize door swing into the aisles, and lighter two-piece side panels that make it easier to access the cabinet.

Specifications:
- Equipment cabinet to support Cisco Nexus 7018 Switch
- Provides front and rear support for 19"W EIA rack-mount equipment and shelves
- Front and rear rails are fixed in position 29.8" (756 mm) apart
- Two pairs of 19"W (482.6 mm) EIA-310-D equipment mounting rails in the cabinet
- Static load rating:
  - 2500 lb (1134 kg) on leveler feet

Cabinet Includes:
- (1) Welded and bolted steel and aluminum four-post frame
- Equipment mounting rails, two pairs
- Nexus 7018 Switch Support Brackets, one pair
- Network Switch Exhaust Duct with visor and diffuser
- (1) Four-piece top panel
- (1) Double, perforated front door with swing handle
- (1) Double, perforated rear door with swing handle
- Two-piece, solid side panels (optional)
- (4) Leveler Feet and Floor Anchor Brackets
- (1) Ground Terminal Block
- (2) Cable Management Fingers Kit and (1) Front-To-Rear Cable Manager Kit
- (1) Equipment mounting hardware

Large Brush-Sealed Openings - Allow large quantities of cable to enter or exit the cabinet.

Removable Doors and Side Panels. Provides easy access to equipment and cables.

N-SERIES TERAFRAME® NETWORK CABINET FOR CISCO® NEXUS 7018 SWITCH

Use the part number configurator below to create a custom N-Series TeraFrame Network Cabinet for the Cisco Nexus 7018 Switch. Choose the **H**eight, **D**epth, **R**ail Style, **F**ront **D**oor, **R**ear **D**oor, **L**atch, **C**olor, **T**op **P**anel Style and **S**ide **P**anel Style.
Example Cabinet Part Number: *NF5U-143C-C42*

N	H	5	D	-	R	FD	RD	L	-	C	TP	SP

1. Height

Cabinet		Frame		U	
in	mm	in	mm		
78.3	1989	78.1	1984	42	**C**
83.5	2122	83.4	2118	45	**F**

2. Side Exhaust Duct & Width

Network Switch	in	mm	
Cisco Nexus 7018	40.0	1016	**5**

3. Depth

Cabinet		Rail (max)		N-Series Frame Size		Equiv. F-Series Frame Size		
in	mm	in	mm	in	mm	in	mm	
49.1	1247	30.5	775	33.5	850	45.3	1150	**R**
50.1	1272	31.5	800	34.4	875	46.3	1175	**T**
51.1	1297	32.5	825	35.4	900	47.2	1200	**U**

Note: When sizing to match standard TeraFrame, use the same part number digit for cabinet depth as the standard TeraFrame. The Cabinet Footprint does not include doors, which add approximately 97 mm (3.8") of depth to the cabinet.

4. Rail Style

1	Square Punch, 2 Pair
2	Tapped, #12-24, 2 Pair

5. Front Door

4	Double, Perforated Metal

6. Rear Door

3	Double, Perforated Metal

7. Latches (Door)

C	Two-Point, Cam Latch, Keyed Lock
E	Two-Point, Cam Latch, Combination Lock

8. Color

C	Black
E	Glacier White

9. Top Panel

4	Solid with Knock-Out Ports

10. Side Panel Style

0	None
1	Solid, 1 each
2	Solid, 2 each

Note: Each kit includes two panels and covers one side.

Notes:
1. Height: Two heights are available. The cabinet height is the overall height of the cabinet with a top panel. The frame height is the height of the internal frame without the top panel. Leveler feet add approximately 1" (25 mm) to the height of the cabinet. N-Series Cabinet and frame heights match F-Series TeraFrame® Cabinet System heights.
2. Side Exhaust Duct and Width: The cabinet includes a Network Switch Exhaust Duct sized for the Cisco Nexus 7018 Switch. The duct is pre-installed to position the switch in the bottom 25U of the cabinet, but can be moved to match another mounting location. The cabinet also includes two Cable Management Finger Kits (T-shaped cable guides) which are pre-installed on the front of the internal frame on the right and left side. Overall cabinet width with side panels is 40.0" (1016 mm). The internal frame width is 23.6" (600 mm). The included mounting rails are 19"W (482.6 mm) EIA-310-D compliant.
3. Depth: Three depths are available. The cabinet depth is the overall depth of the cabinet with doors. The frame depth is the depth of the internal frame. Rail depth is fixed at 29.8"D (756 mm) by a pre-installed support bracket for the switch mounted in the 1U position. There is a 6" (152 mm) standoff at the front of the frame and 8.2" (208 mm) standoffs on each side of the frame. Doors add approximately 3.8" (97 mm) to overall depth. N-Series cabinet depths match F-Series TeraFrame Cabinet System depths.
4. Rail Style: Square-punched rails use snap-in cage nut hardware that can be changed to match equipment requirements. Tapped rails use screws. Order additional mounting hardware as required.
5. Latches: All doors have swing handles and a two-point cam latch. The keyed lock includes a physical key. The combination lock has a programmable mechanical three-digit combination lock that is opened with three dials on the handle or with a key.

Front-to-Rear Cable Manager Kit

Create a front-to-rear cable pathway along the side of the cabinet in the space between the side panels and cabinet frame. The kit attaches to the cabinet frame above the Network Switch Exhaust Duct and visor. Each kit includes a support bracket and four 2.8"H x 7"D (71 mm x 180 mm) U-shaped rings to support cables. The bracket includes tie points to secure cable bundles, and the rings can be repositioned to match support requirements. The kit includes installation hardware.

Part Number	Description Height in (mm)	Shipping Weight lb (kg)
15529-C01	For 49.1 Deep (1247) Cabinet, Black	8 (3.6)
15529-C02	For 50.1 Deep (1272) Cabinet, Black	9 (4.1)
15529-C03	For 51.1 Deep (1297) Cabinet, Black	9 (4.1)

Horizontal Furcation Bracket Kit

Use to secure cable bundles in the space between the side panels and cabinet frame. The kit attaches to the cabinet frame above the Network Switch Exhaust Duct and visor. The bracket provides attachment points for the furcation plug on Corning Cable Systems Plug & Play Universal Systems trunk cables and tie points for securing cables. The kit includes installation hardware.

Part Number	Description Height in (mm)	Shipping Weight lb (kg)
15483-C01	For 49.1 Deep (1247) Cabinet, Black	6 (2.7)
15483-C02	For 50.1 Deep (1272) Cabinet, Black	6 (2.7)
15483-C03	For 51.1 Deep (1297) Cabinet, Black	6 (2.7)

Universal Accessory Kit

Provide additional vertical cable management for patch cords in the front corners of the cabinet. The kit attaches to the cabinet's front vertical frame uprights above the Network Switch Exhaust Duct and visor. The rail supports accessory 4"W x 5.5"D (102 mm x 140 mm) Swivel Cable Spools and Fiber Module Adapters in the space between the cabinet frame and the side of the cabinet and includes tie points to secure cable bundles. Accessory attachment points are spaced vertically every 0.88" (22.2 mm) to align accessories with rack-mount units in the cabinet. The rail is C-shaped, 0.8"W by 1.6"D (19 mm x 41 mm), made from steel and includes hardware.

34716-C01

15482-C01

34713-C01

Part Number	Description Height in (mm)	Shipping Weight lb (kg)
15482-C01	For 42U Cabinet, Black	3 (1.4)
15482-C02	For 45U Cabinet, Black	3 (1.4)
34716-C02	Swivel Cable Spool, Black, Pack of 6	6 (2.7)
34713-C01	Fiber Module Adapter, Black	2 (0.9)

GF-Series GlobalFrame® Gen 2 Cabinet System

The GF-Series GlobalFrame® Gen 2 Cabinet System is an industry-standard server and network equipment storage solution for data centers, computer rooms or network facilities.

Available in a select set of industry-standard sizes, GF-Series GlobalFrame features two specific configurations that meet most application requirements. Standard cabinets with perforated front and rear doors support front-to-rear airflow for hot aisle/cold aisle or aisle containment applications. High-density cabinets with perforated front and solid rear doors and a top-mount Vertical Exhaust Duct guide hot exhaust air away from the cabinet to support a closed return application. Both configurations cover the basics with adjustable depth Z-shaped mounting rails that help block bypass airflow around equipment, cable openings in the top panels that are large enough for high-amperage PDU power plugs, casters to easily position the cabinet and locking doors and side panels to secure equipment.

Additionally, CPI's second generation GF-Series GlobalFrame features new size and finish options, enhanced panels and doors, and smarter airflow management. The frame is now available in a standard 52U height, 700 mm width and 1100 mm depth to maximize space utilization, and a Glacier White finish that reflects more light. Maximum front-to-rear rail depths are increased to support deeper equipment. Top and bottom panels include snap-on plastic grommets to seal cable openings. Perforated areas on the doors are 78% open to maximize airflow, and the improved Air Dam accessory (ordered separately), which creates an airflow barrier around the rails to block bypass air inside the cabinet, allows rails to be adjusted to any depth.

Combine the GF-Series GlobalFrame with thermal and cable management accessories to create a solution that fits your exact needs.

Cabinet Specifications:

- Available in four heights, three widths and five depths
- Provides front and rear support for 19"W (482.6 mm) EIA rack-mount equipment and shelves
- Adjustable depth, rails slide front-to-back
- Marks on frame for easy vertical alignment
- 1-3/4"H (44.45 mm) U spacing, marked and numbered
- 19"W, EIA-310-E Universal vertical hole spacing
- Load capacity for 6-slide frame (per UL2416):
  - 3000 lb (1360 kg), static load on leveling feet
  - 2250 lb (1020 kg), rolling load on casters
  - 2000 lb (907.2 kg), shipping on shock pallet
- Load capacity for 4-slide frame (per UL2416):
  - 2500 lb (1134 kg), static load on leveling feet
  - 2000 lb (907.2 kg), rolling load on casters

Cabinet Includes:

- Welded steel and bolted aluminum four-post frame
- Equipment mounting rails, two pairs
- Grounding/bonding system and ground lug
- Leveling feet and casters
- Floor attachment brackets
- Baying kit, for 600 mm or 24" spacing
- PDU brackets, one pair, for mounting two vertical CPI PDUs
- Equipment mounting hardware, (50) M6 cage nuts and screws

Certifications:

- EIA-310-E compliant
- UL Listed 2416, NWIN, File #E227626

GF-SERIES GLOBALFRAME® GEN 2 CABINET SYSTEM

Use the part number configurator below to select a GF-Series GlobalFrame Cabinet. Choose the **H**eight, **W**idth, **D**epth, **S**ide Panel Style, **C**onfiguration, **C**olor, and **F**rame Style. *Example Cabinet Part Number:* GF-1A100-CB

Industry Standard Model Matrix:

All selections from this table offer provide the most affordable pricing and shortest lead times.

GF	-	H	W	D	S	C	-	C	F

600 mm, 700 mm, 800mm Standard Cabinets

GF-	1. Height			2. Width		3. Depth			4. Side Panels		5. Configuration	-	6. Color		7. Frame	
	U	in.	mm.	in.	mm.	in.	mm.		Description		Description		Description		Description	
1	42	79.4	2016	A 23.6	600	1 31.5	800	0	No Sides				C Black		B 6-Slide	
2	45	84.6	2149	D 27.6	700	2 39.4	1000	1	One Side	0	Standard Top Panel/Standard Pallet		E Glacier White			
3	48	89.9	2282	C 31.5	800	5 43.3	1100	2	Two Sides							
4	52	96.9	2460			4 47.2	1200									

Notes:
Height includes casters.
Frame depth listed, doors add approximately 4" (100 mm).
Includes Perforated Front and Rear Doors.

600 mm, 700 mm, 800mm Vertical Exhaust Duct Cabinets

GF-	1. Height			2. Width		3. Depth			4. Side Panels		5. Configuration	-	6. Color		7. Frame	
	U	in.	mm.	in.	mm.	in.	mm.		Description		Description		Description		Description	
1	42	79.4	2016	A 23.6	600	5 43.3	1100	0	No Sides		Duct 20-34" H (508-863 mm)/ Standard Pallet		C Black		B 6-Slide	
2	45	84.6	2149	D 27.6	700	4 47.2	1200	1	One Side	1			E Glacier White			
3	48	89.9	2282	C 31.5	800			2	Two Sides							
4	52	96.9	2460							2	Duct 34-60" H (863-1523 mm)/ Standard Pallet					

Notes:
Height includes casters. Height does not include Vertical Exhaust Duct.
Frame depth listed, doors add approximately 4" (100 mm).
Includes Perforated Front Door, Solid Rear Door, Vertical Exhaust Duct and Bottom Panel.

600 mm, 700 mm Shock Pallet Combinations

GF-	1. Height			2. Width		3. Depth			4. Side Panels		5. Configuration	-	6. Color		7. Frame	
	U	in.	mm.	in.	mm.	in.	mm.		Description		Description		Description		Description	
1	42	79.4	2016	A 23.6	600	5 43.3	1100	0	No Sides				C Black		B 6-Slide	
2	45	84.6	2149	D 27.6	700	4 47.2	1200	1	One Side	3	Standard Top Panel/Shock Pallet		E Glacier White			
				C 31.5	800			2	Two Sides							

Notes:
Height includes casters.
Frame depth listed, doors add approximately 4" (100 mm).
Includes Perforated Front and Rear Doors.
Reusable Packaging.

Use the part number configurator below to select a GF-Series GlobalFrame Cabinet. Choose the **H**eight, **W**idth, **D**epth, **S**ide Panel Style, **C**onfiguration, **C**olor, and **F**rame Style. ***Example Cabinet Part Number:*** *GF-1A100-CB*

Complete Product Matrix:

The complete product matrix includes all options available.

GF-	-	H	W	D	S	C	-	C	F

600 mm, 700 mm, 800mm Standard Cabinets

GF-	1. Height			2. Width		3. Depth		4. Side Panels	5. Configuration	-	6. Color	7. Frame
	U	in.	mm.	in.	mm.	in.	mm.	Description	Description		Description	Description
1	42	79.4	2016	A 23.6	600	1	31.5	800	0 No Sides	0 Standard Top Panel/Standard Pallet		C Black	B 6-Slide
2	45	84.6	2149	D 27.6	700	2	39.4	1000	1 One Side			E Glacier White	A 4-Slide
3	48	89.9	2282	C 31.5	800	3	41.3	1050	2 Two Sides				
4	52	96.9	2460			5	43.3	1100					
						4	47.2	1200					

Notes:
Height includes casters.
Frame depth listed, doors add approximately 4" (100 mm).
Includes Perforated Front and Rear Doors.

600 mm, 700 mm, 800mm Vertical Exhaust Duct Cabinets

GF-	1. Height			2. Width		3. Depth		4. Side Panels	5. Configuration	-	6. Color	7. Frame
	U	in.	mm.	in.	mm.	in.	mm.	Description	Description		Description	Description
1	42	79.4	2016	A 23.6	600	3	41.3	1050	0 No Sides	1 Duct 20-34" H (508-863 mm)/ Standard Pallet		C Black	B 6-Slide
2	45	84.6	2149	D 27.6	700	5	43.3	1100	1 One Side			E Glacier White	A 4-Slide
3	48	89.9	2282	C 31.5	800	4	47.2	1200	2 Two Sides				
4	52	96.9	2460							2 Duct 34-60" H (863-1523 mm)/ Standard Pallet			

Notes:
Height includes casters. Height does not include Vertical Exhaust Duct.
Frame depth listed, doors add approximately 4" (100 mm).
Includes Perforated Front Door, Solid Rear Door, Vertical Exhaust Duct and Bottom Panel.

600 mm, 700 mm Shock Pallet Combinations

GF-	1. Height			2. Width		3. Depth		4. Side Panels	5. Configuration	-	6. Color	7. Frame
	U	in.	mm.	in.	mm.	in.	mm.	Description	Description		Description	Description
1	42	79.4	2016	A 23.6	600	3	41.3	1050	0 No Sides	3 Standard Top Panel/Shock Pallet		C Black	B 6-Slide
2	45	84.6	2149	D 27.6	700	5	43.3	1100	1 One Side			E Glacier White	A 4-Slide
				C 31.5	800	4	47.2	1200	2 Two Sides				

Notes:
Height includes casters.
Frame depth listed, doors add approximately 4" (100 mm).
Includes Perforated Front and Rear Doors.
Reusable Packaging.

GF-SERIES GLOBALFRAME® GEN 2 CABINET SYSTEM

Specifications/Ordering Notes:

1. Height, Widths, Depths: See tables below for detailed dimensions.

Height Dimensions - in (mm)			
Rack Mount Spaces (U)	Overall with Casters	Frame Only No Casters	Front Opening
42	79.4 (2016)	77.4 (1965)	73.9 (1876)
45	84.6 (2149)	82.6 (2099)	79.1 (2010)
48	89.9 (2282)	87.9 (2232)	84.4 (2143)
52	96.9 (2460)	94.9 (2410)	91.4 (2321)

Casters add approximately 2" (51 mm) to frame and are factory installed on the cabinet.

Depth Dimensions - in (mm)			
Nominal Depth	Overall with Doors	Frame Only No Doors	Maximum Rail Depth
800	35.4 (900)	31.5 (800)	29.3 (745)
1000	43.3 (1100)	39.4 (1000)	37.2 (945)
1050	45.3 (1150)	41.3 (1050)	39.2 (995)
1100	47.3 (1200)	43.3 (1100)	41.1 (1045)
1200	51.2 (1300)	47.2 (1200)	45.1 (1145)

Front Door is approximately 2.4"D (61 mm) and Rear Door is approximately 1.5"D (38 mm) with hinges/latches. Minimum rail depth is 7" (178 mm), each rail is 3.5"D (89 mm). Rail depth is reduced when vertical accessories are placed in corners.

Width Dimensions - in (mm)			
Nominal Width	Overall with Side Panels	Front Opening	Rack-Mount Panel Width
600	23.6 (600)	19.6 (498)	19 (482.6)
700	27.6 (700)	23.5 (598)	19 (482.6)
800	31.5 (800)	27.5 (698)	19 (482.6)

Mounting Rail clearance is 17.8" (452 mm). Mounting hole spacing is 18.3" (465 mm).

2. Standard Cabinets include a cabinet with perforated front and rear doors, a solid top panel, casters and leveling feet. It ships on a standard pallet.
3. Vertical Exhaust Duct Cabinets include a cabinet with perforated front and solid rear doors, a Vertical Exhaust Duct top panel, casters and leveling feet. It ships on a standard pallet.
4. Shock Pallet Combinations include a cabinet with perforated front and rear doors, a solid top panel, casters and leveling feet. It ships on a shock pallet with reusable packaging. It can be loaded with up to 2000 lb (907.2 kg) of equipment and then reshipped to a customer site.

Air Dam Kit

Use to block airflow around the top and sides of equipment. Requires a minimum rail setback of 1.3" (33 mm) from the front of the cabinet frame.

- Use with Equipment Rail Grommet Kit, Snap-In Filler Panels and Bottom Panel.
- Attaches to and adjusts with mounting rails

Part Number - Cabinet Width For 6-Slide Frame Style			Height (U)	Shipping Weight lb (kg)
23.6"W (600 mm)	27.6"W (700 mm)	31.5"W (800 mm)		
39085-X00	39085-X11	39085-X22	42	11 (5.0)
39085-X03	39085-X14	39085-X25	45	11 (5.0)
39085-X06	39085-X17	39085-X28	48	12 (5.4)
39085-X10	39085-X21	39085-X32	52	13 (5.9)
Part Number - Cabinet Width For 4-Slide Frame Style			Height (U)	Shipping Weight lb (kg)
23.6"W (600 mm)	27.6"W (700 mm)	31.5"W (800 mm)		
39130-X00	39130-X11	39130-X22	42	11 (5.0)
39130-X03	39130-X14	39130-X25	45	12 (5.4)
39130-X06	39130-X17	39130-X28	48	12 (5.4)
39130-X10	39130-X21	39130-X32	52	13 (5.9)

X=color; C=Black, E=Glacier White. Shipping Weights are 800 mm kits.

Snap-In Filler Panel

Snap-In Filler Panel blocks airflow in between equipment by sealing unused rack-mount spaces (U) in the cabinet. Use with Air Dam Kit, Equipment Rail Grommet Kit and Bottom Panel to separate cold and hot air within the cabinet.

Part Number			Height (U)	Shipping Weight lb (kg)
Each (1)	Pack (6)	Pack (50)		
34537-X00	34537-X01	34537-X02	1U	14 (6.4)
34538-X00	34538-X01	34538-X02	2U	21 (9.5)

X=color; 0=Black, E=Glacier White. Shipping Weights are for 50 pack.

Equipment Rail Grommet Kit

Set of plastic grommets that cover cable openings in the equipment mounting rails in the wider cabinets to block airflow around equipment.

Part Number	Description H x W (in)	Shipping Weight lb (kg)
39133-001	Equipment Rail Grommet Kit, Pack of 8	2 (0.9)

Note: Use with 27.6"W (700 mm) or 31.5"W (800 mm) rails.

Bottom Panel

Bottom Panel with grommet sealed cable openings blocks airflow under the cabinet, so hot air is contained in the rear of the cabinet when the cabinet frame is elevated on leveling feet or casters.

• Upgrade for Standard Cabinets; use with Air Dam
• Solid panel with two large grommet sealed cable opening in the back corners
• Grommets are plastic, snap-on, seal cable openings, and can be cut to pass cables
• Unsealed openings are 4.5"W x 9.0"D (114 mm x 228 mm), wide enough to pass large PDU plugs
• Attaches to the bottom slide on the cabinet; install before rack-mount equipment
• Two piece panel for easier installation, adjusts to fit cabinets 39.4"D (1000 mm) or deeper
• Includes: bottom panel, grommets, installation brackets and hardware

Part Number Cabinet Width			Depth in (mm)	Shipping Weight lb (kg)
23.6"W (600 mm)	27.6"W (700 mm)	31.5"W (800 mm)		
39080-X00	39080-X01	39080-X02	≥39.4 (1000)	29 (13.2)

X=color; 0=Black, E=Glacier White. Shipping Weights are for 800 mm kits.
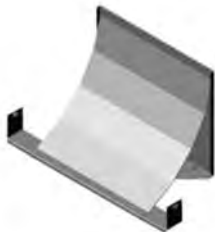
Air Director

Air Director is an angled panel used at the back of cabinets with Vertical Exhaust Duct top panels to guide hot air towards the top of the cabinet.

• Universal, three piece design adjusts in width to fit all cabinets
• Attaches to the bottom slide on the cabinet, adjusts in depth
• Includes: director, installation hardware

Part Number	Description H x W (in)	Shipping Weight lb (kg)
39107-X00	Air Director	10 (4.5)

X=color; C=Black, E=Glacier White.

Cable Port Brush Kit

Cable Port Brush Kit is a pair of snap-on brush covers that can be used to replace the plastic grommets included with the top, bottom and side panels to form a better seal for cable openings.

• Easy addition and removal of cables through brush opening
• Brushes form a tight seal around cables to minimize air leakage
• Split, two-piece, snap-on design for easy installation around cable bundles

Part Number	Description H x W (in)	Shipping Weight lb (kg)
25190-001	Brush Covers, Pack of 2, Black	2 (0.9)

Side Panel with Grommet Seal Openings

Side Panel With Grommet Sealed Cable Openings feature multiple grommet sealed cable openings that allow cables to enter the side of the cabinet while containing exhaust air within each cabinet.

• Two-piece design with top and bottom halves for easier handling
• Eight cable openings per side, four per half-height panel, one per corner, are 4.5"W x 9"D(114 mm x 228 mm) without grommet, sized for large power plugs
• Grommets are plastic, snap-on, seal cable opening, and can be cut to pass cables
• Tool-less removal, drop in design with integrated locking spring latch secures the side panel to the cabinet frame
• Integrated grounding tabs to electrically bond the side panel to cabinet frame
• Includes: Side panel (two halves, with grommets), installation hardware, set of keys

Part Number						Cabinet Frame Depth in (mm)	Shipping Weight lb (kg)
Frame Style		Height (U)					
6-Slide	4-Slide	42	45	48	52		
39037	39033	-X00	-X51	-XAC	-XDL	31.5 (800)	44 (20.0)
		-X08	-X59	-XAL	-XDW	39.4 (1000)	56 (25.4)
		-X10	-X61	-XAN	-XEA	41.3 (1050)	59 (26.8)
		-X12	-X63	-XAR	-XEC	43.3 (1100)	62 (28.1)
		-X16	-X67	-XAW	-XEG	47.2 (1200)	68 (30.8)

X=color: C=Black, E=Glacier White. Shipping Weights are for 4-Slide, 52U panels. 6-Slide panels are approximately 8 lb (3.6 kg) lighter.

Bay Seal Kit

Bay Seal Kit is only used with 23.6"W (600 mm) cabinets when the cabinets are bayed to align with 24"W (610 mm) floor tiles. The bay seal kit fills the small gaps left between cabinets.

• Flexible plastic insert that blocks airflow between cabinets
• Includes: side baffles, cut to length
• Material: Plastic; Finish: Black only
• Select part number to match the usable height of the cabinet

Part Number	Height (U)	Shipping Weight lb (kg)
39137-700	42	5 (2.3)
39137-703	45	5 (2.3)
39137-706	48	5 (2.3)
39137-710	52	5 (2.3)

Note: All heights (U) available.

Finger Cable Manager

Finger Cable Manager attaches to the equipment mounting rail creating a pathway for cables next to the rail and includes plastic T-shaped cable guides (fingers) that organize cables by rack-mount space (U).

- Attaches to and adjusts with mounting rails, fully compatible with Air Dam
- Plastic, T-shaped cable guides organize cables by rack-mount space (U)
- Openings between cable guides (fingers) align with each rack-mount space on the mounting rail
- Pass up to 24 cables per U space in narrow cabinets and 48 cables per U space in wider cabinets
- Hinged cover included with managers in wider cabinets, cover snaps closed to secure cables
- Includes: finger cable manager, cover (wider cabinets only), installation hardware
- Material: Steel panels, plastic guides and latches
- Select part number to match the width, usable height and cabinet color

Part Number - Cabinet Width			Height (U)	Shipping Weight lb (kg)
23.6"W (600 mm)	27.6"W (700 mm)	31.5"W (800 mm)		
39120-X00	39112-X11	39112-X22	42	22 (10.0)
39120-X03	39112-X14	39112-X25	45	23 (10.4)
39120-X06	39112-X17	39112-X28	48	25 (11.3)
39120-X10	39112-X21	39112-X32	52	26 (11.8)

X=color: C=Black, E=Glacier White. Shipping Weights are for 800 mm kits.

Inside Dimensions, Usable Internal Cable Area, Rails Setback

Cabinet Width	Width in (mm)	Depth in (mm)	Cable Area in² (mm²)	Rail Setback in (mm)
23.6 (600)	.75 (19)	4 (102)	3 (1900)	7.6 (193)
27.6 (700)	2.6 (66)	8.4 (213)	21.8 (14 060)	10.3 (262)
31.5 (800)	4.6 (117)	8.4 (213)	38.6 (24 900)	10.3 (262)

Rail setback is the minimum distance required between the front edge of the cabinet frame and the front edge of the equipment mounting rail.

Front-to-Rear Cable Manager

Front-to-Rear Cable Manager attaches to the back of equipment mounting rails creating a front-to-rear pathway between the front and rear mounting rails for cables.

- For use on 27.6"W (700 mm) and 31.5"W (800 mm) cabinets
- Mounting locations behind cable openings on each rail
- Attaches to mounting rails and extends to match depth
- Creates a 2.5"W (64 mm) x 3"D (78 mm) front-to-rear pathway for cables

Part Number Cabinet Width			Rail Depth Range in (mm)	Shipping Weight lb (kg)
23.6"W (600 mm)	27.6"W (700 mm)	31.5"W (800 mm)		
N/A	39077-X00	39077-X00	22-34 (558-863)	5 (2.3)

X=color: C=Black, E=Glacier White.

Full Height PDU Bracket

Full Height Dual PDU Bracket supports two vertical PDUs side-by-side and has multiple slots for CPI Saf-T-Grip® Straps or tie wraps to secure cords to the bracket.

• Attaches to the frame, adjusts in depth independent of the mounting rails
• Supports two 2.2"W (51 mm) PDUs side-by-side
• Tool-less mounting on 61.25" (1556 mm) or 64.75" (1645 mm) centers
• Bracket is 4.8"W (121 mm); order Saf-T-Grips or cable ties separately

Part Number	Height (U)	Shipping Weight lb (kg)
39086-X00	42	9 (4.1)
39086-X03	45	10 (4.5)
39086-X06	48	10 (4.5)
39086-X10	52	11 (5.0)

X=color: C=Black, E=Glacier White.

Cable Lashing Bracket

Cable Lashing Bracket creates a simple, separate vertical pathway for a small bundle of cables and has multiple slots for CPI Saf-T-Grip® Straps or tie wraps to secure cables to the bracket.

• Attaches to the frame, adjusts in depth independent of the mounting rails
• Bracket is 1.6"W (41 mm); order Saf-T-Grips or cable ties separately

Part Number - Frame Style		Height (U)	Shipping Weight lb (kg)
6-Slide	4 Slide		
39124-X00	39131-X00	42	4 (1.8)
39124-X03	39131-X03	45	5 (2.3)
39124-X06	39131-X06	48	5 (2.3)
39124-X10	39131-X10	52	5 (2.3)

X=color: C=Black, E=Glacier White.

Ring Cable Manager

Ring Cable Manager is independent of the equipment mounting rails creating a separate vertical pathway for cables and includes plastic cable rings to organize cables.

• Attaches to the frame, adjusts in depth independent of the mounting rails
• Rings have an opening on the front for easy addition or removal of cables
• Includes: brackets, rings, installation hardware

Part Number - Cabinet Width For 6-Slide Frame Style			Height (U)	Shipping Weight lb (kg)
23.6"W (600 mm)	27.6"W (700 mm)	31.5"W (800 mm)		
39087-X00	39088-X00	39089-X00	42	13 (5.9)
39087-X03	39088-X03	39089-X03	45	14 (6.4)
39087-X06	39088-X06	39089-X06	48	14 (6.4)
39087-X10	39088-X10	39089-X10	52	15 (6.8)

Part Number - Cabinet Width For 4-Slide Frame Style			Height (U)	Shipping Weight lb (kg)
23.6"W (600 mm)	27.6"W (700 mm)	31.5"W (800 mm)		
39127-X00	39128-X00	39129-X00	42	14 (6.4)
39127-X03	39128-X03	39129-X03	45	14 (6.4)
39127-X06	39128-X06	39129-X06	48	15 (6.8)
39127-X10	39128-X10	39129-X10	52	15 (6.8)

X=color; C=Black, E=Glacier White. Shipping Weights are 800 mm kits.

Inside Dimensions, Usable Internal Cable Area, Rails Setback					
Cabinet Width	Width in (mm)	Depth in (mm)	Cable Area in² (mm²)	Rail Setback in (mm) 6-Slide	Rail Setback in (mm) 4-Slide
23.6 (600)	.9 (29)	3.3 (84)	2.9 (1870)	7.6 (193)	9.1 (231)
27.6 (700)	2.3 (58)	5.5 (140)	12.6 (8130)	8.2 (208)	8.2 (208)
31.5 (800)	4.2 (107)	3.5 (89)	14.7 (9480)	6.4 (163)	6.4 (163)

Ring Manager Rail Setback Table on right.
Note: Rail Setback is the minimum distance required between the front edge of the cabinet frame and the front edge of the equipment mounting rail.

Ramp Kit for Shock Pallet Cabinets

Ramp Kit includes a pair of steel ramps used to roll a loaded cabinet off of a shock pallet.

- Durable, welded steel construction for repeated use
- 1"H (25 mm) sides control casters to prevent the cabinet from rolling off ramp
- Gradual, 5'L (1.5 m) incline for controlled exit
- Includes: one pair of steel, black finish ramps
- Order one Ramp Kit per site for Shock Pallet Cabinets

Part Number	Description	Shipping Weight lb (kg)
39207-701	Ramp Kit for Shock Pallet Cabinets, Black	26 (11.8)

Seal Kit

Cover unused holes in the frame for hinges and installation brackets to prevent bypass airflow.

- Pre-cut, plastic, color-matched, adhesive backed labels for easy attachment to the cabinet
- Tough, heat resistant material and adhesive for long life
- Each kit includes 12 sheets; each sheet includes 21 round labels and six rectangular labels
- Round labels are .75" (19 mm) diameter. Rectangular labels are 1.3" x 2.2" (34 mm x 55 mm).
- Material: Thermoplastic polycarbonate film
- Select to match the color of the cabinet

Part Number	Description	Shipping Weight lb (kg)
39076-X00	Seal Kit	1 (0.5)

X=color: C=Black, E=Glacier White.

Label Holder Kit

Label Holder Kit includes 24 each, 1"H x 4"W (25 mm x 100 mm) label holders that can be attached to the front or sides of cabinets and hold labels for identifying the cabinet.

- Plastic, L-shaped, adhesive backed label holder for easy attachment to the cabinet
- Tough, heat resistant material and adhesive for long life
- Each kit includes 24 label holders
- 1"H x 4"W (25 mm x 100 mm) surface for labels; labels not included
- Material: Rigid PVC plastic, UL94-VO

Part Number	Description	Shipping Weight lb (kg)
39151-001	Label Holder, Pack of 24, Black	1 (0.5)

The M-Series MegaFrame® Cabinet

Top Panel with 6 edge-protected punch-out ports provides cabling access wherever needed

Attach 12" (300 mm) cable runway easily with pre-drilled attachment holes

Quick and easy assembly with unique patented corner attachment bracket

Optional fan kit provides 400 CFM of airflow through cabinet

Lightweight aluminum construction provides strength, durability, easy handling and lower shipping costs

Adjustable (front to rear) vertical mounting rails allow use as a standard four-post cabinet or two channel rack

Rack-mount units marks simplify installation

Fully adjustable side-mounted cabling ring sections provide unsurpassed vertical cable management without protruding into usable space

Extruded horizontal mounting rail provides support for equipment mounting rails and cabling ring panels

Inch markers on horizontal mounting rails ensure proper alignment of vertical mounting rails

Wide variety of mounting rails with Universal EIA 5/8"-5/8"-1/2" (15.9 mm -15.9 mm - 12.7 mm) alternating hole pattern to meet all equipment installation requirements

Standard door options include smoked plexiglass or vented front door and solid aluminum rear door; options include vented plexiglass and perforated metal doors

Adjustable leveling feet provide stability

"Quick release" attachment for front and rear doors provides easy assembly and equipment installation; door can be positioned to open to the right or left side

Open base allows cable entry, exit and ventilation

Available in up to 39" (990 mm) usable depth, many heights

Static load rating of 2000 lb (907.2 kg)

Solid aluminum side panels are easy-to-remove and locking

19" or 23" Standard EIA rack width

M-Series MegaFrame® Cabinet 72", 78" and 84" (1830 mm, 1980 mm and 2130 mm)

The M-Series MegaFrame® Cabinet System supports a vast array of potential applications. The cabinet is available in a variety of heights, widths and depths to meet the most stringent demands. Also, the M-Series Cabinet System allows the user to select mounting rails to accommodate today's variety of rack-mount equipment.

Specifications:

- Available in three heights; 72", 78" and 84" (1830 mm, 1980 mm and 2130 mm)*
- Available in 19" or 23" EIA standard rack widths
- Available in four depths; 24", 30", 36" and 39" (610 mm, 760 mm, 910 mm and 990 mm)
- Available with or without top or side panels
- Side panels are easy-to-remove and locking
- Can be ordered with or without doors in a variety of materials and styles
- Cabinet is available with a choice of tapped 12-24, square-punched, Sun® or IBM® rails
- Rack-mount unit marks simplify equipment installation
- Hardware for each rail type is included
- All vertical mounting rails are available in half heights (also sold separately)
- Manufactured from aluminum, custom designed for maximum strength and functionality
- Bolted construction, delivers fully or partially assembled
- Load Rating: 2000 lb (907.2 kg)
- UL Listed: File E212094; Category DUXR (US), DUXR7 (Canada) – Communications - Circuit Accessory

Cabinet Includes:

- (1) Four-Post Frame (anodized aluminum finish)
- (4) Vertical Mounting Rails & Mounting Hardware
- (2) Locking, Easy-To-Remove Side Panels
- (1) "Quick-Release" Front Door
- (1) "Quick-Release" Rear Door
- (1) Vented Top Panel & Six Cable Access Ports
- (2) Vertical Half Height Cable Managers (wide)
- (4) Leveling Feet
- (1) PDU Mounting Bracket Kit
- (1) Multi-Bay Attachment Hardware Kit
- (4) Floor Anchor Clamps
- (1) Bag of 50 Each #12-24 Rack Channel Mounting Screws with tapped rails
- (1) Bag of 16 each M6 Cage Nuts and Screws, and 25 each #12-24 Cage Nuts and Screws with square-punched rails

Note: Special 8' (2.4 m) cabinets are available in standard lead times.

MegaFrame® Cabinet System 72", 78" and 84" (1830 mm, 1980 mm and 2130 mm)

Dimensions:

Height Dimensions - in (mm)			
All Cabinet Styles	**72 (1830)**	**78 (1980)**	**84 (2130)**
Usable Vertical Panel Space	38U, 66.50 (1689.1)	42U, 73.50 (1866.9)	45U, 78.75 (2000.3)
Overall Height without Leveling Feet	72.02 (1829.3)	78.02 (1981.7)	84.02 (2130.0)
Overall Height with Leveling Feet	72.92 (1852.2)	78.92 (2004.6)	84.92 (2157.0)
Overall Height with Casters	75.70 (1922.8)	81.70 (2075.2)	87.70 (2230.0)
Frame Vertical Opening	67.90 (1724.7)	73.90 (1877.1)	79.90 (2029.5)

Width Dimensions - in (mm)		
Usable Equipment Panel Width	**19" EIA**	**23" EIA**
Overall Width	27.32 (693.9)	31.32 (795.5)
Frame Horizontal Opening	20.20 (513.1)	24.20 (614.7)

Depth Dimension Cabinet Only (With Doors) - in (mm)				
Nominal Cabinet Depth	**24 (61)**	**30 (760)**	**36 (910)**	**39 (990)**
Maximum Mounting Depth - Rail to Rail	24.00 (609.6)	30.00 (762.0)	36.00 (914.4)	39.00 (990.6)
Overall Depth - Inside Door to Inside Door	27.22 (691.4)	33.22 (843.8)	39.22 (996.2)	42.22 (1072.4)
Overall Depth - Door Face to Door Face	27.62 (701.5)	33.62 (853.9)	39.62 (1006.3)	42.62 (1082.5)

Depth Dimension Frame Only (Without Doors) - in (mm)				
Nominal Cabinet Depth	**24 (610)**	**30 (760)**	**36 (910)**	**39 (990)**
Maximum Mounting Depth - Rail to Rail	24.00 (609.6)	30.00 (762.0)	36.00 (914.4)	39.00 (990.6)
Overall Depth	26.13 (663.7)	32.13 (816.1)	38.13 (968.5)	41.13 (1044.7)

Shipping Weights - lb (kg)			
All Cabinet Styles - in (mm)	**72 (1830)**	**78 (1980)**	**84 (2130)**
Minimum	152 (68.9)	152 (68.9)	155 (70.3)
Maximum	251 (113.9)	262 (118.8)	287 (130.2)

Part Number Configurator

When ordering an **M-Series Cabinet**, the part number is always preceded by the letter **M**. Use the part number matirx below to configure your M-Series Cabinet. Choose the **W**idth, **H**eight, **D**epth, Cabinet **S**tyle, **C**olor, **D**oor, and Shipping **O**ption.

Example Cabinet Part Number: *M1221-112*

M	W	H	D	S	-	C	D	O

2. Width

Panel	in	mm	0
19"EIA	27.32	693	1
23"	32.32	795	2

3. Height

in	mm	U	
84	2130	45	0
78	1980	42	1
72	1830	38	2

4. Depth

in	mm	
24	610	2
30	760	3
39	990	4
36	910	5

Note: Frame depth listed, doors approximately 1.5" (38 mm).

8. Shipping Option

1	Knocked Down
2	Assembled

7. Doors

0	No front or rear doors
1	Plexiglass front/metal rear
2	Metal front/Metal rear
3	Vented plexiglass front/perforated metal rear
4	Perforated metal front/perforated metal rear

Perforated metal doors are 63% open for high airflow.

6. Color[3]

1	Gray
2	Computer Beige
7	Black

5. Cabinet Style

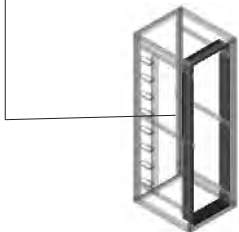| 0	Tapped rails, top & side panels
1	Tapped rails, top & no side panels
2	Tapped rails, no top or side panels (frame only)[1]
3	Square-punched rails, top & sides
4	Square-punched rails, top, no sides
5	Square-Punched rails, no top or side panels (frame only)[1]
D	Sun rails[2], top & side panels
E	Sun rails[2], top & no side panels
F	Sun rails[2], no top or side panels (frame only)[1]
G	IBM rails[2], top & side panels
H	IBM rails[2], top & no side panels
J	IBM rails[2], no top or side panels (frame only)[1]

Cabinet Style

Frame Only Style

Notes:
1. Frame only style cannot be ordered with doors.
2. Server rail styles are only available on cabinets 36" (910 mm) or 39" (990 mm) in depth.
3. Color refers to mounting rails and side panels and metal/perforated metal door panels. Frame is silver-colored anodized aluminum. For further assistance call 800-834-4969.

48" (1220 mm) M-Series MegaFrame® Cabinet

The 48"H (1220 mm) M-Series MegaFrame® Cabinet is designed for space conscious customers who demand value. The cabinet is available in a variety of widths and depths. Multiple cabinets can be mounted side-by-side using optional baying hardware. The cabinet is available in white, black or gray powder-coated finish. The cabinet is also available in a frame only configuration.

Note: When ordering a frame only configuration, the mounting rails have a powder-coated finish based on your color selection. The frame is always silver-colored anodized aluminum.

Specifications:

- Provides 25U of rack-mount space
- Available in 19" EIA or 23" EIA standard rack widths
- Available in three depths; 24", 30" and 36" (610 mm, 760 mm and 910 mm)
- Load Rating: 2000 lb (907.2 kg)

Part Number Configurator

When ordering an **M-Series Cabinet**, the part number is always preceded by the letter **M**. Use the part number matirx below to configure your M-Series Cabinet. Choose the **W**idth, **H**eight, **D**epth, Cabinet **S**tyle, **C**olor, **D**oor, and Shipping **O**ption.

Example Cabinet Part Number: M2530-112

M	W	H	D	S	-	C	D	O

2. Width

Panel	in	mm	0
19"EIA	27.32	693	1
23"	32.32	795	2

3. Height

in	mm	U	
48	1220	25	5

4. Depth

in	mm	
24	610	2
30	760	3
36	910	5

Note: Frame depth listed, doors approximately 1.5" (38 mm).

8. Shipping Option

1	Knocked Down
2	Assembled

7. Doors

0	No front or rear doors
1	Plexiglass front/metal rear
2	Metal front/Metal rear
3	Vented plexiglass front/perforated metal rear
4	Perforated metal front/perforated metal rear

(Perforated metal doors are 63% open for high airflow)

6. Color[2]

1	Gray
2	Computer Beige
7	Black

5. Cabinet Style

0	Tapped rails, top & side panels
1	Tapped rails, top & no side panels
2	Tapped rails, no top or side panels (frame only)[1]
3	Square-punched rails, top & sides
4	Square-punched rails, top, no sides
5	Square-Punched rails, no top or side panels (frame only)[1]

Cabinet Style

Frame Only Style

Notes:
1. Frame only style cannot be ordered with doors.
2. Color refers to mounting rails, side panels and metal/perforated metal door panels. Frame is silver-colored anodized aluminum. For further assistance call 800-834-4969.

Air Dam Kit, Cabinet Airflow Baffles

The Air Dam Kit creates a barrier between the cabinet door and the front of equipment along the top, bottom and sides of the cabinet. When used in combination with perforated front and rear doors, the kit helps to channel cool air to the front of equipment and also helps to prevent the mixing of heated air from the rear of the cabinet with cool air at the front of the cabinet.
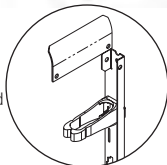
• 5"D (130 mm) baffles

Kit consists of:
• (1) Top baffle
• (1) Bottom baffle
• (4) Small side baffles
• (4) Large side baffles
• Installation hardware

Part Number	Description H x W in (mm)	Shipping Weight lb (kg)
For M-Series MegaFrame Cabinet System		
13336-X10	84 (2130) x 19	11 (5.0)
13336-X11	78 (1980) x 19	10 (4.5)
13336-X12	72 (1830) x 19	10 (4.5)
13336-X15	48 (1220) x 19	8 (3.6)
13336-X20	84 (2130) x 23	11 (5.0)
13336-X21	78 (1980) x 23	10 (4.5)
13336-X22	72 (1830) x 23	10 (4.5)
13336-X25	48 (1220) x 23	8 (3.6)

X=color: 1=Gray, 2=Computer Beige, 7=Black

Fan Kit For M-Series MegaFrame

Fan Kit provides optional ventilation and cooling for the cabinet.
• Four fans mount on two interchangeable frames to fit cabinet top panel
• Grill design and ball-bearing motor offer longer life and quiet operation
• Each fan frame has an IEC C-14 power inlet
• Includes a detachable 15'L (4.6 m) power cord with a molded plug
• Provides up to 400 CFM of ventilation for cabinet
• Can be used on the MegaFrame, SlimFrame and Seismic Frame Cabinets
• UL Recognized

Part Number	Description / Color	Shipping Weight lb (kg)
Cooling Fan Kit - 400 CFM		
12480-701	Black, 115 VAC, 50/60 Hz, NEMA 5-15P	6 (2.7)
12480-702	Black, 230 VAC, 50/60 Hz, NEMA 6-15P	6 (2.7)

Fan Specifications - Each Fan				
Operating Voltage	Airflow	Noise Level (1 Meter Max)	Power Consumption	Operating Frequency
115 VAC	100 CFM	37 dBA	15 Watts	50/60 Hz
230 VAC	100 CFM	37 dBA	15 Watts	50/60 Hz

12511-50X
Air Filter Kit with Fans
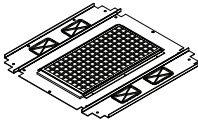
12510-50X
Air Filter Kit without Fans

Filtered Ventilation System For 30"D (760 mm) MegaFrame® Cabinets

This system has the fans and filters installed at the bottom of the cabinet. Air exhausts through vents in the cabinet top. Equipment may not be mounted in the 2U at the bottom of the cabinet to allow clearance for cabinet intake air. The Standard Filter Cabinet Ventilation System is for the retrofitting of MegaFrame Cabinets with fans already located on the cabinet top.

- For 19" and 23"W x 30"D (760 mm) MegaFrames
- Air Filter Kit with 115 VAC fans provides up to 400 CFM and has an attached 15'L (4.6 m) power cord with a NEMA 5-15P plug
- Air Filter Kit with 230 VAC, 50/60 Hz fans provides up to 400 CFM and has an attached 15'L (4.6 m) power cord with a NEMA 6-15P plug
- Trim-to-fit filter media is readily available from many commercial suppliers or can be ordered from CPI
- 3/8" (9.53 mm) thick filter provides 70-75% dust particle retention
- One filter provided with each kit

Note: This product only available for 30"D (760 mm) MegaFrame Cabinets. Unit will generate 48 db noise level.

Part Number		Description	Shipping Weight lb (kg)
19"	23"		
Deluxe Filter Cabinet Ventilation System			
12511-501	12511-502	Air Filter Kit w/ 115 VAC Fans	22 (10.0)
12511-503	12511-504	Air Filter Kit w/ 230 VAC Fans	22 (10.0)
Standard Filter Cabinet Ventilation System			
12510-501	12510-502	Air Filter Kit w/o Fans	13 (5.9)
Accessories - in (mm)			
12507-001	12 X 24 X 3/8 (300 x 610 x 9.53) Filter, 6 Pack		1 (0.5)
12505-001	Foam Insert, 2 Pack (for cable ports)		1 (0.5)

23"-19" Rail Adapter Kit

Mount your 19"W equipment in a 23"W MegaFrame Cabinet with the 23"-19" Rail Adapter Kit that includes 12 adapters and packaged hardware.

- Made of steel
- Front to rear adjustability remains intact; increases cable routing space
- Rail adapter kit is available for all cabinet heights
- Supports up to 1000 lb (453.6 kg)

Part Number	Description	Shipping Weight lb (kg)
10587-X01	(12) 23"-19" Rail Adapters	5 (2.3)

X=color: 1=Gray, 2=Computer Beige, 7=Black

Intelligent & Standard Fan Doors

When used as the rear door on a cabinet, removes heated air and prevents the buildup of heated air inside the cabinet. Uses a solid-state temperature control to vary fan speed from an ultra quiet low speed at low air temperature through increasingly higher speeds as temperature rises. Peak exhaust airflow can reach 960 CFM. Intelligence allows this system to deliver cooling when and where it is needed, while keeping the noise to a minimum. Standard Fan Doors using single-speed fans are also available. They provide 100 CFM per fan for a total of 800 CFM.

• Use Intelligent Fan Doors on the rear of CPI M-Series MegaFrame that support rack-mount computer and data storage equipment
• Multiple IEC C-14 power connections allow attachment to different circuits for power redundancy (2 connections/4 fans each)
• 115 VAC/60 Hz fans include two detachable power cords with IEC C-13 to NEMA 5-15P plugs
• Doors for 48"H (1220 mm) cabinets have one power connection and four fans for up to 480 CFM (intelligent) or 400 CFM (Standard)

Standard Fan Door

Intelligent Fan Door

Door Type	
13212	Intelligent Fan Doors for MegaFrame
13222	Standard Fan Doors for MegaFrame

Color	
1	Gray
2	Computer Beige
7	Black

Cabinet Width	
1	19" Rack-Mount
2	23" Rack-Mount

Cabinet Height - in (mm)	
0	84 (2130) Overall
1	78 (1980) Overall
2	72 (1830) Overall
5	48 (1220) Overall*

132XX	-	X	X	X

(1) power connection, 480 CFM (Intelligent), 400 CFM (Standard)

Caster Kits

Caster Kits allow cabinets to be moved quickly and easily. Casters also allow for easy reconfiguration of space.
• Increases cabinet height by 3.68" (93.5 mm)
• Casters swivel and lock
• Install casters prior to populating cabinet
• Intended to be used on CPI Cabinets manufactured after July 1, 2004

P/N 13203 includes:
• (4) Corner gussets
• (4) Full swivel, 3" (80 mm) diameter locking casters
• Installation hardware

Part Number	Description	Shipping Weight lb (kg)
13203-001	Casters for MegaFrame	27 (12.2)

Patented
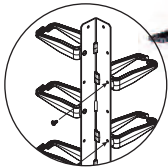
Create two cable pathways using one manager.

Vertical Cable Manager

Available for 72", 78" and 84" (1830 mm, 1980 mm and 2130 mm) cabinets.
• Includes one pair of sections and eight rings
• Large 3.3"W x 6.5"D (84 mm x 165 mm) heavy duty plastic rings with rounded edges organize and protect cable sheaths
• Position anywhere along horizontal mounting rails
• Use with MegaFrame and Seismic Frame cabinets; use with SlimFrame when bayed without side panels, ships pre-assembled

Part Number	Color Height (pair) in (mm)	Shipping Weight lb (kg)
12465-X05	Cabling Ring Section, 72 (1830)	7 (3.2)
12465-X06	Cabling Ring Section, 78 (1980)	7 (3.2)
12465-X07	Cabling Ring Section, 84 (2130)	7 (3.2)
14068-701	8 Cable Ring Kit, Black	3 (1.4)

X=color: 1=Gray, 2=Computer Beige, 7=Black. Rings are black.

Enhanced Cable Managers

Enhanced Vertical Managers are available in two sizes for large and extra-large cable capacities. The narrow version can be added to any MegaFrame Cabinet. The wide version is used in any 23"W MegaFrame Cabinet that has been converted into a 19" rack solution with CPI's 23"-19" Rail Adapter Kit. The matching Front-to-Back Managers (sold in pairs) snap onto the vertical managers and adjust to match the depth of the cable managers.
• Cable openings in Enhanced Vertical Manager allow cables to exit by rack-mount unit; openings have rounded edges to protect cables
• The back side of the Enhanced Vertical Manager has four edge-protected cable pass-through ports for front-to-back cabling
• Incuded cover snaps-on and opens to the right or left
• Front-to-Back Managers adjust in depth to connect the front and rear Enhanced Vertical Manager
• Constructed of high-strength, lightweight aluminum
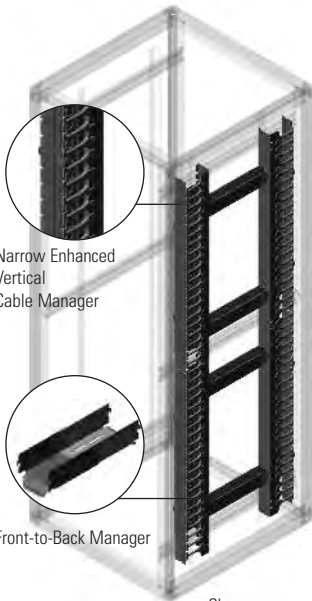
Narrow Enhanced Vertical Cable Manager

Front-to-Back Manager

Shown:
(2) 13171-700
(2) 13169-701

Part Number	Description H x W x D in (mm)	Shipping Weight lb (kg)
Enhanced Vertical Manager, Narrow		
13171-702	72 x 3.50 x 5.23 (1830 x 88.9 x 132.8)	9 (4.1)
13171-701	78 x 3.50 x 5.23 (1980 x 88.9 x 132.8)	10 (4.5)
13171-700	84 x 3.50 x 5.23 (2130 x 88.9 x 132.8)	11 (5.0)
Enhanced Vertical Manager, Wide		
13170-702	72 x 4.75 x 8.77 (1830 x 120.7 x 222.8)	11 (5.0)
13170-701	78 x 4.75 x 8.77 (1980 x 120.7 x 222.8)	12 (5.4)
13170-700	84 x 4.75 x 8.77 (2130 x 120.7 x 222.8)	13 (5.9)
Front-to-Back Horizontal Manager, Narrow		
13169-701	2.38 x 1.74 (60.5 x 44.2), 2 each	3 (1.4)
Front-to-Back Horizontal Manager, Wide		
13168-701	2.38 x 3.77 (60.5 x 95.8), 2 each	2 (0.9)

C-Series SlimFrame® Cabinet System

The C-Series SlimFrame® Cabinet System is an ideal storage solution for EIA standard 19" rack-mountable equipment that fits on a standard, 24" (610 mm) access floor tile and provides up to 43U of space. The cabinet can bay to any existing MegaFrame to meet the demand for data storage expansion. Multiple SlimFrame Cabinets bay together by selecting variations without side panels and using the included Multi-Bay Attachment Hardware Kit.

Two cable management solutions are available for the SlimFrame. CPI's unique Narrow Vertical Cable Manager is included with each cabinet, or choose the larger vertical cable manager, P/N 12465, for greater capacity when baying two or more SlimFrame Cabinets.

Specifications:
- Available in three heights: 72", 78" and 84" (1830 mm, 1980 mm and 2130 mm)
- Available in 19" EIA rack width
- Available in three depths: 22", 30" and 36" (560 mm, 760 mm and 910 mm)
- Available with or without top or side panels
- Side panels are easy-to-remove and locking
- Can be ordered with or without doors in a variety of materials and styles
- Cabinet is available with your choice of tapped 12-24, square-punched, Sun® or IBM® rails
- Rack-mount unit marks simplify equipment installation
- Hardware for each rail type is included
- All vertical mounting rails are available in half heights (also sold separately)
- Manufactured from aluminum, custom designed for maximum strength and functionality
- Bolted construction, delivers fully or partially assembled
- Load Rating: 2000 lb (907.2 kg)

Cabinet Includes:
- (1) Four-Post Frame (anodized aluminum finish)
- (4) Vertical Mounting Rails & Mounting Hardware
- (2) Locking, Easy-To-Remove Side Panels
- (1) "Quick-Release" Front Door
- (1) "Quick-Release" Rear Door
- (1) Vented Top Panel with Four Cable Access Ports
- (2) Vertical Half Height Cable Managers (narrow)
- (4) Leveling Feet
- (1) PDU Mounting Bracket Kit
- (1) Multi-Bay Attachment Hardware Kit
- (4) Floor Anchor Clamps
- (1) Bag of 50 Each #12-24 Rack Channel Mounting Screws with tapped rails
- (1) Bag of 16 Each M6 Cage Nuts and Screws and 25 Each #12-24 Cage Nuts and Screws with square-punched rails

Requires only 24" (610 mm) of floor space!

C-Series SlimFrame® Cabinet System

Dimensions

Height Dimensions - in (mm)			
All Cabinet Styles	**72 (1830)**	**78 (1980)**	**84 (2130)**
Usable Vertical Panel Space	37U	40U	43U
Overall Height without Leveling Feet	72.00 (1828.8)	78.00 (1981.2)	84.00 (2133.6)
Overall Height with Leveling Feet	72.90 (1851.7)	78.90 (2004.1)	84.90 (2156.5)
Overall Height with Casters	75.38 (1914.7)	81.38 (2067.1)	87.38 (2219.5)
Frame Vertical Opening	64.88 (1648.0)	70.88 (1800.4)	76.88 (1952.8)

Width Dimensions - in (mm)	
Usable Equipment Panel Width	**19" EIA**
Overall Width	24 (610)
Frame Horizontal Opening	19.84 (500)

Depth Dimension Frame Only (With Doors) - in (mm)			
Nominal Cabinet Depth	**22 (560)**	**30 (760)**	**36 (910)**
Maximum Mounting Depth - Rail to Rail	21.84 (554.7)	30.00 (762.0)	36.00 (914.4)
Overall Depth - Frame Only	23.96 (608.6)	32.12 (815.8)	38.12 (968.2)
Overall Depth - Door Face to Door Face	25.46 (646.7)	33.62 (853.9)	39.62 (1006.3)

Shipping Weights - lb (kg)			
All Cabinet Styles - in (mm)	**72 (1830)**	**78 (1980)**	**84 (2130)**
Minimum	142 (64.4)	141 (64.0)	149 (67.6)
Maximum	233 (105.7)	249 (112.9)	250 (113.4)

Part Number Configurator

When ordering an **C-Series Cabinet**, the part number is always preceded by the letter **C**. Use the part number matirx below to configure your C-Series Cabinet. Choose the **W**idth, **H**eight, **D**epth, Cabinet **S**tyle, **C**olor, **D**oor, and Shipping **O**ption.

Example Cabinet Part Number: C1133-732

C	W	H	D	S	-	C	D	O

2. Width

Panel	in	mm	0
19" EIA	24	610	**1**

3. Height

in	mm	U	
84	2130	43	**0**
78	1980	40	**1**
72	1830	37	**2**

4. Depth

in	mm	
30	760	**3**
36	910	**5**
22	560	**6**

Note: Frame depth listed, doors approximately 1.5" (38 mm).

8. Shipping Option

1	Knocked Down
2	Assembled

7. Doors

0	No front or rear doors
1	Plexiglass front/metal rear
2	Metal front/Metal rear
3	Vented plexiglass front/perforated metal rear
4	Perforated metal front/perforated metal rear

Perforated metal doors are 63% open for high airflow.

6. Color[3]

1	Gray
2	Computer Beige
7	Black

5. Cabinet Style

0	Tapped rails, top & side panels
1	Tapped rails, top & no side panels
2	Tapped rails, no top or side panels (frame only)[1]
3	Square-punched rails, top & sides
4	Square-punched rails, top, no sides
5	Square-Punched rails, no top or side panels (frame only)[1]
D	Sun rails[2], top & side panels
E	Sun rails[2], top & no side panels
F	Sun rails[2], no top or side panels (frame only)[1]
G	IBM rails[2], top & side panels
H	IBM rails[2], top & no side panels
J	IBM rails[2], no top or side panels (frame only)[1]

Cabinet Style

Frame Only Style

Notes:
1. Frame only style cannot be ordered with doors.
2. Server rail styles are only available on cabinets 36" (910 mm) or 39" (990 mm) in depth.
3. Color refers to mounting rails, side panels and metal/perforated metal door panels. Frame is silver-colored anodized aluminum. For further assistance call 800-834-4969.

Air Dam Kit, Cabinet Airflow Baffles

The Air Dam Kit creates a barrier between the cabinet door and the front of equipment along the top, bottom and sides of the cabinet. When used in combination with perforated front and rear doors, the Air Dam Kit helps to channel cool air to the front of equipment and also helps to prevent the mixing of heated air from the rear of the cabinet with cool air at the front of the cabinet.

• 5"D (130 mm) baffles

Kit consists of:
• (1) Top baffle
• (1) Bottom baffle
• (4) Small side baffles
• (4) Large side baffles
• Installation hardware

Part Number	Description H x W in (mm)	Shipping Weight lb (kg)
For C-Series SlimFrame Cabinet System		
13336-X10	84 (2130) x 19	11 (5.0)
13336-X11	78 (1980) x 19	10 (4.5)
13336-X12	72 (1830) x 19	10 (4.5)

X=color: 1=Gray, 2=Computer Beige, 7=Black

Narrow Vertical Cable Manager

This space-saving manager is ideal in CPI's SlimFrame C-Series Cabinets.
• Rings snap-on, making new configurations a simple process
• Control radius helps maintain a proper bend radius in cables
• Includes (2) vertical mounting brackets, (8) pre-assembled cable rings, (1) control radius and (1) hardware kit
Add additional cable rings to the Narrow Vertical Cable Manager.
• Contains (8) black 1.40"H x 1.45"W x 4.13"D plastic U-rings (35.6 mm x 36.8 mm x 104.9 mm)
• U-ring design allows for easy insertion of cables

Part Number	Section Dimensions H x W x D in (mm)	Shipping Weight lb (kg)
11809-X00	For 84"H (2130 mm) Cabinet, 1 Pair 34.7 x 1.75 x 4.13 (881 x 44.5 x 104.9)	5 (2.3)
11809-X01	For 78"H (1980 mm) Cabinet, 1 Pair 31.7 x 1.75 x 4.13 (44.5 x 104.9 x 805)	5 (2.3)
11809-X02	For 72"H (1830 mm) Cabinet, 1 Pair 28.7 x 1.75 x 4.13 (44.5 x 104.9 x 729)	4 (1.8)
11817-001	8 Narrow Cable Ring Kit, Black	1 (0.5)

X=color: 1=Gray, 2=Computer Beige, 7=Black (Rings are black.)

Control radius shown attached to bracket.

Intelligent & Standard Fan Doors

When used as the rear door on a cabinet, removes heated air and prevents the buildup of heated air inside the cabinet. Uses a solid-state temperature control to vary fan speed from an ultra quiet low speed at low air temperature through increasingly higher speeds as temperature rises. Peak exhaust airflow can reach 960 CFM. Intelligence allows this system to deliver cooling when and where it is needed, while keeping the noise to a minimum. Standard Fan Doors using single-speed fans are also available. They provide 100 CFM per fan for a total of 800 CFM.

• Multiple IEC C-14 power connections allow attachment to different circuits for power redundancy (2 connections/4 fans each)
• 115 VAC/60 Hz fans includes two detachable power cords with IEC C-13 to NEMA 5-15P plugs

Door Type	
13213	Intelligent Fan Doors for SlimFrame
13223	Standard Fan Doors for SlimFrame

Color	
1	Gray
2	Computer Beige
7	Black

Cabinet Width	
1	19" Rack-Mount

Cabinet Height - in (mm)	
0	84 (2130) Overall
1	78 (1980) Overall
2	72 (1830) Overall

| 132XX | - | X | X | X |

Standard Fan Door

Intelligent Fan Door

Caster Kits

Caster Kits allow cabinets to be moved quickly and easily. When space is limited, cabinets can be placed against the wall when not in service. Casters also allow for easy reconfiguration of space.

• Increases cabinet height by 3.38" (85.8 mm)
• Casters swivel and lock
• Install casters prior to populating cabinet
• Intended to be used on CPI Cabinets manufactured after July 1, 2004

P/N 13204 includes:
• (4) Reinforcement plates
• (4) Full swivel, 3" (80 mm) diameter locking casters
• Installation hardware

Part Number	Description	Shipping Weight lb (kg)
13204-001	Casters for SlimFrame & Co-Location Cabinets	13 (5.9)

Patented

Optional door - Mounted fan keeps equipment cool.
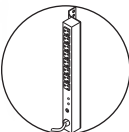
Each compartment includes a 125 VAC, 15 Amp rated power strip.

E-Series ISP Co Location Cabinet

Three separate, secure compartments in the 7' (2.1 m) cabinet provide 14 usable rack-mount spaces for equipment mounting in each compartment. The E-Series ISP Co Location Cabinet is available in standard 30" and 36" (760 mm and 910 mm) usable mounting depths to accommodate most file server variations. The internal width is 19" or 23".

The cabinet features patented self-squaring construction to allow shipment in both fully assembled and partially assembled configurations. A patented, secure, 3-channel vertical cable raceway provides security for both data and power to each compartment. The cable raceway accommodates either overhead or floor cable access. Separate power distribution to each compartment protects each co-locator's equipment from power surges or outages caused by adjacent co-locators. Front and rear doors are lockable with optional keysets unique for each compartment. Each of the three compartments includes a separate vertical power strip (see bottom of page).

E-Series Cabinets feature an optional door mounted rear fan that draws in ambient air and expels heated air for effective temperature maintenance. For optimum efficiency when using the fan, the rear door features a solid (rather than perforated) design. Load Rating: 2000 lb (907.2 kg).

Part Number Configurator

When ordering an **E-Series Cabinet**, the part number is always preceded by the letter **E**. Use the part number matirx below to configure your E-Series Cabinet. Choose the **W**idth, **H**eight, **D**epth, Cabinet **S**tyle, **C**olor, **D**oor, and Shipping **O**ption.

Example Cabinet Part Number: *E1051-732*

E	W	H	D	S	-	C	D	O

2. Width/Rails

in	
19, Tapped	1
23, Tapped	2
19, Square-punched	3
23, Square-punched	4

3. Height

in	mm	
84	2130	0

(3), 14U compartments

4. Depth

in	mm	
30	760	3
36	910	5

8. Shipping Option

1	Knocked Down
2	Assembled

7. Doors

3	Vented plexiglass front/perforated metal rear
4	Perforated metal front/perforated metal rear

Perforated metal doors are 63% open for high airflow.

6. Color

1	Gray
2	Computer Beige
7	Black

5. Cabinet Style/Accessories

0	Side panels, no fan, standard locks
1	Side panels, fan, standard locks
2	Side panels, no fan, custom-keyed locks
3	Side panels, fan, custom-keyed locks
4	Baying, no fan, standard locks
5	Baying, fan, standard locks
6	Baying, no fan, custom-keyed locks
7	Baying, fan, custom-keyed locks

Cabinet Style

Notes: Caster kit listed on page 2-55: Color refers to mounting rails, side panels and metal/perforated metal door panels. Frame is silver-colored anodized aluminum. For further assistance visit www.chatsworth.com.

Seismic Frame® Cabinet System

Rated Zone 4 compliant to Bellcore GR-63-CORE for Network Equipment Building Systems (NEBS) Section 4.4.1.1, the Seismic Frame® Cabinet System is designed to withstand the seismic stress of an 8.3 Richter scale earthquake.

Offered in a 84"H x 19"W x 36"D (2130 mm x 910 mm) cabinet solution, the aluminum outer frame provides the sound structural environment necessary for sensitive Information Technology (IT) hardware components.

- Standard 19" EIA rack width
- Features square-punched mounting rails with rack-mount unit marks
- Aluminum outer frame with steel inner frame delivers maximum strength with minimum weight
- Seismic bracing kits and a full line of structural enhancement products are available to support site-specific structural requirements
- Internal cable management provides flexibility for wire routing and fits on-site customization
- Adjustable front-to-rear vertical mounting rails allow use as a standard four-post cabinet or two-channel rack
- Load Rating: 800 lb (362.9 kg) seismic

84"H x 19" W x 36"D (2130 mm x 910 mm) Seismic Cabinet		
Part Number	Cabinet Door Style	
	Front	Rear
11972-X02	No Front	No Rear
11972-X12	Plexiglass	Metal
11972-X22	Metal	Metal
11972-X32	Vented Plexiglass	Perforated Metal
11972-X42	Perforated Metal	Perforated Metal
84"H x 19" W x 36"D (2130 mm x 910 mm) Without Side Panels		
Part Number	Cabinet Door Style	
	Front	Rear
11973-X02	No Front	No Rear
11973-X12	Plexiglass	Metal
11973-X22	Metal	Metal
11973-X32	Vented Plexiglass	Perforated Metal
11973-X42	Perforated Metal	Perforated Metal

X=color: 1=Gray, 2=Computer Beige, 7=Black. Frame is anodized aluminum.

Closeup of reinforced inner frame

Cabinet Dimensions

Usable Height	77.88" (1978.2 mm) or 43U
Usable Depth	36" (910 mm)
Usable Width	19"
Overall Height	84.13" (2136.9 mm)
Overall Depth (w/doors)	39.62" (1006.3 mm)
Overall Width	27.32" (693.9 mm)
Shipping Weight	286 lb Min / 376 lb Max (129.7 kg) / (170.6 kg)

84"H x 19" W x 36"D (2130 mm x 910 mm) Frame Only**	
Part Number	Cabinet Door Style
11974-X02	Frame Only

*X=color: 1=Gray, 2=Computer Beige, 7=Black. **Frame is anodized aluminum*

HotLok® Snap-In Filler Panels

The HotLok Snap-In Filler Panels attach to 19" EIA-310-D and EIA/ECA-310-E compliant square-punched or threaded equipment mounting rails. Universal panels fit .375" (9.5 mm) square-punched equipment mounting rails or M5/M6/#12-24 tapped equipment mounting rails. The cantilevered sealing vanes and snap-spring design create a 99% effective seal between adjacent panels and equipment, blocking most airflow between panels.

Part Number	Description H x W (in)	Shipping Weight lb (kg)
14171-310	1U x 19, Black Panel, Pack of 10	3 (1.4)
14172-310	2U x 19, Black Panel, Pack of 5	3 (1.4)
14171-320	1U x 19, Black Panel with Temperature Strip, Pack of 10	4 (1.8)
14172-320	2U x 19, Black Panel with Temperature Strip, Pack of 10	3 (1.4)

AisleLok® Acrycell™ Sealing Tape

Seal the gaps between and under cabinets ensuring that hot and cold air in the data center remain completely separated.

Part Number	Description	Shipping Weight lb (kg)
13876-000	.5" Sealing Tape, Pack of 5, Black	3 (1.4)
13876-001	1" Sealing Tape, Pack of 5, Black	5 (2.3)
13876-002	2" Sealing Tape, Pack of 5, Black	7 (3.2)

AisleLok® Under Rack Panel

Seal the gap between the bottom of the cabinet or enclosure and the floor. Uses a strong adhesive backing that remains securely attached.

Part Number	Description H x W (in)	Shipping Weight lb (kg)
13877-001	2.5"H x 23.7"W x 1"D , Pack of 10, Black (64 mm x 602 mm x 25 mm)	2 (0.9)
13877-002	4.5"H x 27.5"W x 1"D , Pack of 10, Black (115 mm x 699 mm x 25 mm)	2 (0.9)
13877-001	4.5"H x 31.5"W x 1"D , Pack of 10, Black (115 mm x 800 mm x 25 mm)	2 (0.9)

Note: Not compatible with F-Series TeraFrame Gen 3 or GF-GlobalFrame Gen 2 Cabinet Systems.

KoldLok® Raised Floor Grommet

Reduce bypass airflow, improve data center cooling and block unsealed cable holes with KoldLok® Raised Floor Grommets. Sealing materials resist breaking, deformation and wear for repeated use and is easy to install. Grommets can be positioned in the middle or edge of floor tiles, allowing large bundles of cables and large power connectors to pass through opening.

- KoldLok Wave™ Raised Floor Grommet offers over 45 in² of usable cable area; durable, impact-resistant ABS frame with optional cover for increased safety
- Integral Grommet is a flush-mount design with two styles: Integral Grommet (one-piece) and Split Integral Grommet (two-piece)
- Surface-Mount Grommet is two-piece with three sizes available: Surface-Mount, Large Surface-Mount and Extra-Large Surface-Mount
- Extended Grommet is three-piece and covers a long, narrow slot; available in two sizes: Extended 3" (76 mm) Brush Grommet and Extended 6" (152 mm) Brush Grommet
- Mini Grommet and Round Floor Grommet are smaller flush-mount designs

13870-001 with cover
13873-001

13576-001

13571-001

13676-001

13874-001

Grommets are now patented.

Part Number		Description	Shipping Weight lb (kg)
1 Each	10 Each		
13870-001	13870-002	KoldLok Wave™ Split Integral Grommet	11 (5.0)
13873-001	13873-002	Cover, KoldLok Wave™ Split Integral Grommet	6 (2.7)
13571-001	13571-002	Integral Grommet	18 (8.2)
13671-001	13671-002	Split Integral Grommet	20 (9.1)
13576-001	13576-002	Surface-Mount Grommet	21 (9.5)
13676-001	13676-002	Large Surface-Mount Grommet	43 (19.5)
13677-001	13677-002	Extra-Large Surface-Mount Grommet	43 (19.5)
13674-001	13674-002	Extended 3" (76 mm) Brush Grommet	29 (13.2)
13675-001	13675-002	Extended 6" (152 mm) Brush Grommet	37 (16.8)
13872-001	13872-002	Mini Grommet	5 (2.3)
13874-001	13874-002	4" (100 mm) Round Grommet	5 (2.3)
13875-001	13875-002	6" (150 mm) Round Grommet	5 (2.3)

Part Number	Overall Size			Cable Opening		Hole in Floor	
	Height	Width	Depth	Width	Depth	Width	Depth
13870-00X	1-7/8" (48 mm)	11" (279 mm)	9" (229 mm)	7-3/4" (197 mm)	5-7/8" (149 mm)	9-1/4" (235 mm)	6-3/4" (172 mm)
13571-00X	1-5/8" (41 mm)	11" (279 mm)	8-1/4" (210 mm)	8" (203 mm)	4" (102 mm)	9-1/4" (235 mm)	6-3/4" (172 mm)
13671-00X	1-5/8" (41 mm)	11" (279 mm)	8-1/4" (210 mm)	8" (203 mm)	4" (102 mm)	9-1/4" (235 mm)	6-3/4" (172 mm)
13576-00X	1-1/8" (29 mm)	11" (279 mm)	8-1/4" (210 mm)	8-1/4" (210 mm)	4" (102 mm)	10" (254 mm)	7-1/4" (184 mm)
13676-00X	1-15/16" (33 mm)	12" (305 mm)	11-3/4" (298 mm)	8-1/4" (210 mm)	4" (102 mm)	10" (254 mm)	9-3/4" (248 mm)
13677-00X	1-15/16" (33 mm)	12" (305 mm)	15" (381 mm)	8-1/4" (210 mm)	4" (102 mm)	10" (254 mm)	13" (330 mm)
13674-00X	1" (25 mm)	24" (610 mm)	4" (102 mm)	22" (559 mm)	2-1/2" (64 mm)	22" (559 mm)	2-1/2" (64 mm)
13675-00X	1" (25 mm)	24" (610 mm)	7" (178 mm)	22" (559 mm)	5-1/2" (140 mm)	22" (559 mm)	5-1/2" (140 mm)
13872-00X	1-1/2" (38 mm)	7-11/16" (195 mm)	5-11/16" (144 mm)	5" (127 mm)	2-1/2" (64 mm)	6" (152 mm)	4" (102 mm)
13874-00X	1.9" (48 mm)	5.61" dia. (143 mm)	-	3.5" dia. (89 mm)	-	4.0" dia. (102 mm)	-
13875-00X	1.9" (48 mm)	7.56" dia. (192 mm)	-	5.3" dia. (135 mm)	-	6.0" dia. (152 mm)	-

Drawer with two-post mounting brackets

Drawer with four-post mounting brackets

Redesigned to allow stackable units

Lockable Storage Drawer

Drawer stores backup media, software, manuals, laptops, test equipment and extra patch cords in close proximity to the cabinet and is now stackable. Drawers are available for 19"W or 23"W racks and cabinets and include attachment brackets that allow center mounting on two-post racks with 3" or 6"D (80 mm or 150 mm) equipment channels or front and rear attachment to four-post racks and cabinet systems (mounting rails must be adjusted between 24" and 39" (610 mm and 990 mm) in depth).

- Attaches to any CPI freestanding 19"W or 23"W rack or cabinet system
- Available in three heights: 2U, 3U and 4U
- Features 20"D (510 mm) lockable drawer that extends full depth for easy access to stored equipment
- Supports a 100 lb (45.4 kg) load (drawer and top surface combined)

Part Number	Description Drawer Depth in (mm)	Shipping Weight lb (kg)
13082-X19	19" x 2U Drawer, 20 (510)	18 (8.2)
13083-X19	19" x 3U Drawer, 20 (510)	20 (9.1)
13084-X19	19" x 4U Drawer, 20 (510)	22 (10.0)
13082-X23	23" x 2U Drawer, 20 (510)	21 (9.5)
13083-X23	23" x 3U Drawer, 20 (510)	23 (10.4)
13084-X23	23" x 4U Drawer, 20 (510)	25 (11.3)
13185-X01	Drawer Divider, For 3U & 4U Drawers	3 (1.4)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black

Universal Cabinet Light

Fits any 19" EIA or 23" rack or cabinet. It can be mounted in various orientations to direct additional illumination where it is most needed.

- Only 1U; provides 8 Watts of fluorescent light from 115VAC
- On/Off switch and 6' (1.8 m) cord, NEMA 1-15P plug
- White lens with white housing; black bracket

Part Number	Description	Shipping Weight lb (kg)
13393-719	19" Cabinet Light, 8 Watt	3 (1.4)
13393-723	23" Cabinet Light, 8 Watt	3 (1.4)

Rack Mount Unit Labels

Kits contain four individual label packs, enough for four racks and four cabinets. Labels are constructed of 1/2"W (10 mm) durable polyester film with adhesive backing.

Part Number	Description	Shipping Weight lb (kg)
11927-001	1-45U Labels	1 (0.5)
11927-002	1-58U Labels	1 (0.5)

12637

12638

12639

Hardware Kits

Tapped Rail Hardware Kits (sold separately)				
Part Number	Nominal Size	Package Of	Finish	Shipping Weight lb kg)
40605-001	12-24	50	Zinc	1 (0.5)
40605-004	12-24	1,000	Zinc	9 (4.1)
40605-005	12-24	50	Black	1 (0.5)
40605-006	12-24	1,000	Black	9 (4.1)
Square-Punched Hardware Kits (sold separately)				
12637-001	M-6	25	Gold over Zinc	1 (0.5)
12638-001	10-32	25	Zinc	1 (0.5)
12639-001	12-24	25	Black	1 (0.5)

2U   c (UL) us

Fixed Shelf

Use fixed shelves to support equipment without rack-mounted brackets such as modems, CPUs, small power supplies and monitors. Shelves mount to the Universal EIA 5/8"- 5/8"-1/2" (15.9 mm -15.9 mm -12.7 mm) alternating hole pattern of the four vertical mounting rails, and three depths are offered in 18", 24" and 29" (460 mm, 610 mm and 740 mm). Shelves have adjustable mounting depths of 13" to 24" (330 mm to 610 mm) for the 18" (460 mm) shelf, 17" to 28" (430 mm to 710 mm) for the 24" (610 mm) shelf and 24" to 38" (610 mm to 970 mm) for the 29" (740 mm) shelf.

• Made of strong, lightweight aluminum
• Installs using (8) #12-24 screws (not included)
• Supports up to 200 lb (90.7 kg)
• 19" shelves are UL Listed: File E227626; Category NWIN - Accessories

Part Number	Description	Shipping Weight lb (kg)
12336-X19	19"W x 18"D (460 mm), Non-Vented	7 (3.2)
12337-X19	19"W x 18"D (460 mm), Vented	7 (3.2)
12334-X19	19"W x 24"D (610 mm), Non-Vented	9 (4.1)
12335-X19	19"W x 24"D (610 mm), Vented	9 (4.1)
14070-X19	19"W x 29"D (740 mm), Non-Vented	11 (5.0)
14072-X19	19"W x 29"D (740 mm), Vented	10 (4.5)
12336-X23	23"W x 18"D (460 mm), Non-Vented	8 (3.6)
12337-X23	23"W x 18"D (460 mm), Vented	8 (3.6)
12334-X23	23"W x 24"D (610 mm), Non-Vented	10 (4.5)
12335-X23	23"W x 24"D (610 mm), Vented	10 (4.5)
14070-X23	23"W x 29"D (740 mm), Non-Vented	12 (5.4)
14072-X23	23"W x 29"D (740 mm), Vented	11 (5.0)

X=Color: 1=Gray, 2=Computer Beige, 7=Black

Rack–Mount Cable Shelf

Use Rack-Mount Cable Shelf in any 19"W CPI cabinet equipped with an Air Dam Kit to provide a front-to-rear pathway for cables. Cables pass through brush-sealed ports along the front of the shelf. Rack-Mount Cable Shelf uses 1U and will fit in cabinets with mounting rails set between 22" and 40"D (560 mm and 1020 mm).

Part Number	Description H x W (in)	Shipping Weight lb (kg)
13517-701	1U x 19, Black	17 (7.7)

2U

Sliding Shelf

Shelves are suitable for applications where there is a need to access installed equipment for maintenance, upgrading and cleaning. The cable management arm prevents cable damage during shelf extension or retraction. It also maintains proper bend radius of cable.

Shelves mount to the four vertical mounting rails. Two depths are offered in 18" and 24" (460 mm and 610 mm) to provide clearance for cables, ventilation and power strips. Shelves have adjustable mounting depths of 14" to 24" (360 mm to 610 mm) for the 18" (460 mm) shelf and 18" to 30" (460 mm to 760 mm) for the 24" (610 mm) shelf.

- Extends 17" (430 mm) for 18"D (460 mm) shelf and 23" (580 mm) for 24"D (610 mm)
- Offered in 18" (460 mm) or 24" (610 mm) depth, vented or non-vented
- Made of strong, lightweight aluminum
- Shelf locks in closed or fully open position, providing stability
- Ships fully assembled; installs using (8) #12-24 screws (not included)
- Fits cabinets that are 30"D (760 mm) or less
- Accommodates the Monitor Tie-Down Bracket, P/N 11725-X01
- Supports up to 140 lb (63.5 kg)

Part Number	Description	Shipping Weight lb (kg)
12338-X19	19"W x 18"D (460 mm), Non-Vented	7 (3.2)
12339-X19	19"W x 18"D (460 mm), Vented	7 (3.2)
12345-X19	19"W x 24"D (610 mm), Non-Vented	9 (4.1)
12346-X19	19"W x 24"D (610 mm), Vented	9 (4.1)
12338-X23	23"W x 18"D (460 mm), Non-Vented	8 (3.6)
12339-X23	23"W x 18"D (460 mm), Vented	8 (3.6)
12345-X23	23"W x 24"D (610 mm), Non-Vented	10 (4.5)
12346-X23	23"W x 24"D (610 mm), Vented	10 (4.5)

X=Color: 1=Gray, 2=Computer Beige, 7=Black

2U **Patented**
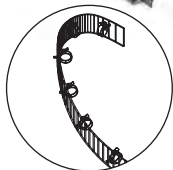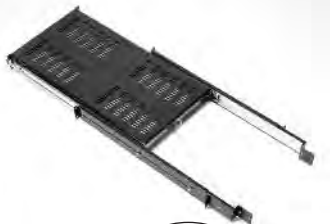
32" Deep (810 mm) Sliding Shelf

Many storage solutions may cause kinking, twisting and cutting of cables during shelf extension and retraction. CPI's flexible polycarbonate belt, which fits in the rear undercarriage, solves these problems. This belt easily attaches to either the left or right side of the vertical bracket and contains eight molded releasable clips that accommodate cable bundles measuring up to 1" (25.4 mm) in diameter.

- Supports up to 160 lb (72.6 kg) using less than 2U
- Locks in the closed position
- Open easily with accessible front lock levers, providing greater stability while accommodating deep servers
- Maximum usable shelf space of up to 32" (810 mm)
- Cable management belt provides greater flexibility in the storage of wire bundles
- Designed for 36" or 39"D (910 mm or 990 mm) cabinets

Flexible cable manager

Part Number	Style	Shipping Weight lb (kg)
19"W x 32"D (810 mm) Sliding Shelf		
11913-X19	Vented	25 (11.3)
19"W x 32"D (810 mm) Sliding Shelf		
11914-X19	Non-Vented	25 (11.3)
23"W x 32"D (810 mm) Sliding Shelf		
11913-X23	Vented	25 (11.3)
23"W x 32"D (810 mm) Sliding Shelf		
11914-X23	Non-Vented	25 (11.3)

X=Color: 1=Gray, 2=Computer Beige, 7=Black

2U **Patented**

Extra Heavy Duty Sliding Shelf

Shelf provides support up to 300 lb (136.1 kg) and uses only 2U, providing 26" (660 mm) usable depth.

- Flexible cable management belt eliminates kinking, bending or cutting of cable
- Adjustable mounting depth of 20" to 34" (510 mm to 860 mm)
- 19" shelf provides 17.5" (445 mm) usable width
- 23" shelf provides 21.5" (546 mm) usable width
- Locks in fully closed or open position

Patented shelf extends a full 24" (610 mm).

Part Number	Description	Shipping Weight lb (kg)
12700-X19	19"W Solid Shelf	29 (13.2)
12700-X23	23"W Solid Shelf	30 (13.6)

X=Color: 1=Gray, 2=Computer Beige, 7=Black

1U c **(UL)** us

Shelf extends from 20"- 36" (510 mm - 910 mm) in depth. Mounting brackets included but not shown.

Low Profile Fixed Shelf

Unique telescoping design delivers between 20" and 36" (510 mm and 910 mm) of continuous support for up to 100 lbs (45.4 kg) of equipment in less than 1U of rack-mount space.

- Shelf bracket provides front and rear support, attaching with single screw to mounting rails
- Available in 19" EIA and 23" EIA widths, providing 17.5" and 21.5" (445 mm and 546 mm) surface space respectively
- Made of steel
- Supports up to 100 lb (45.4 kg)
- 19" shleves are UL Listed

Part Number	Description	Shipping Weight lb (kg)
12573-X19	19"W Solid Shelf	16 (7.3)
12573-X23	23"W Solid Shelf	18 (8.2)
12610-X19	19"W Vented Shelf	15 (6.8)
12610-X23	23"W Vented Shelf	17 (7.7)

X=color: 1=Gray, 2=Computer Beige, 7=Black

2U
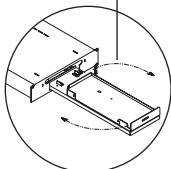
Note: Monitor Tie-Down Kit (see page 2-74) can be used with this product to securely hold your monitor to the shelf.

Monitor Shelf And Sliding Keyboard Tray With Mouse Pad

Provides a compact solution for storing and accessing components. Installs using eight #12-24 screws (not included).

- Adjustable mounting depth of 23" to 39"D (580 mm to 990 mm)
- Tray fits up to 19.1"W x 8.5"D (485 mm x 216 mm) keyboards
- Tray and mouse pad store inside the monitor shelf
- Keyboard tray locks into position
- Mouse pad is 7" x 7" (180 mm x 180 mm)
- Monitor shelf supports up to 200 lb (90.7 kg)

Part Number		Shipping Weight lb (kg)
19" Wide	23" Wide	
12495-X19	12495-X23	23/24 (10.4/10.9)

X=color: 1=Gray, 2=Computer Beige, 7=Black

AISLE CONTAINMENT SOLUTIONS

Aisle Containment Solutions by Chatsworth Products (CPI) utilize Passive Cooling to create effective and efficient thermal solutions at every level of infrastructure deployment.

CPI's latest innovation in Aisle Containment has sharpened that focus on total air isolation, resulting in a solution that helps reduce energy costs and optimizes power availability. The flexibility to deploy the containment system into the hot aisle or the cold aisle provides the ability to overcome facility challenges like limited ceiling height, complicated overhead pathways or the inability to add a drop ceiling or overhead return ducts. Frame Supported options support colocation facilities and roll in/roll out deployment, allowing cabinets to be added or omitted from contained aisles while maintaining air isolation.

Currently available in three solutions:
- Cabinet Supported Hot Aisle Containment (HAC)
- Cabinet Supported Cold Aisle Containment (CAC)
- Frame Supported Hot Aisle Containment (HAC)

CPI Aisle Containment Solutions feature:
- Effectively utilizes 100% of supplied air and reduces chilled air waste
- Improves CRAC efficiency because of the higher supply-to-return temperature differences
- Supports 4x higher heat and power densities (6 kW to 30+ kW)
- Eliminates Hot Spots
- Allows increased room temperature, higher set points on cooling equipment and chilled water temperatures for more free cooling hours using low-cost economizers

Aisle Containment Door Assembly
Double Door

Aisle Containment Door Assembly
Single Door, Open to the Right

Aisle Containment Door Assembly
Single Door, Open to the Left

Aisle Containment Door Assembly

Use with all CPI containment solutions. The door assembly encloses the end of an aisle between adjacent cabinet rows. Available in single- and double-door assemblies. Fits snugly against the cabinets and features an integrated interior handle, full height vertical edge seals, height adjustable brush floor seals and a magnetic door seal. Automatic close system ensures maximum performance by minimizing airflow disruptions. Low profile design conceals installation hardware.

Aisle Containment Door Assembly		
Part Number & Finish		**Description**
Black	**Glacier White**	
Double Door		
32770-701	32770-E01	With Painted Door Frames
32770-702	32770-E02	With Anodized Aluminum Door Frames
Single Door, Opens To The Right		
32780-702	32780-E02	With Painted Door Frames
32780-704	32780-E04	With Anodized Aluminum Door Frames
Single Door, Opens To The Left		
32780-701	32780-E01	With Painted Door Frames
32780-703	32780-E03	With Anodized Aluminum Door Frames

Notes: Double door spans two to three tile aisles and has a 42"W (1067 mm) door opening. Single door is right or left opening, spans two tile aisles and has a 32"W (812 mm) door opening. Order one Floor Mounting Template for each site.

Floor Mounting Template

Provides a pattern for marking and drilling the floor when installing Aisle Containment Doors. Reusable, only one required.

Part Number & Finish	Description
Black	
32875-701	For Aisle Containment Double-Door
32875-702	For Aisle Containment Single Door

Floor Mounting Template
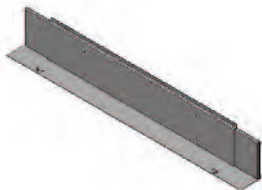
Door Top Seal Kit

Use with Cabinet Supported Solutions only. Flush mount and offset mount versions available in three size ranges. Seals the gap above the door when the door is attached to cabinets over 88" (2235 mm) tall.

Part Number & Finish		Description
Black	Glacier White	
Door Top Seal Kit , For Use With Door Standoff Kit		
32817-704	32817-E04	Adjusts from 48"W (1219 mm) to 59"W (1500 mm)
32817-705	32817-E05	Adjusts from 59"W (1500 mm) to 70"W (1775 mm)
32817-706	32817-E06	Adjusts from 70"W (1775 mm) to 81"W (2050 mm)
Door Top Seal Kit , For Use Without Door Standoff Kit		
32817-701	32817-E01	Adjusts from 48"W (1219 mm) to 59"W (1500 mm)
32817-702	32817-E02	Adjusts from 59"W (1500 mm) to 70"W (1775 mm)
32817-703	32817-E03	Adjusts from 70"W (1775 mm) to 81"W (2050 mm)

Door Standoff Kit

Offsets door from the side of the cabinets, so floor mounting hardware is not located over the edges of the floor tiles. Provides approximately 2.5" (64 mm) standoff.

Part Number & Finish		Description
Black	Glacier White	
32870-701	32870-E01	For Containment Double Door Assembly
32870-702	32870-E02	For Containment Single Door Assembly

GlobalFrame Door Rail Support Kit

Use with GF-Series GlobalFrame Gen 1 Cabinets only. Not required with GF-Series GlobalFrame Gen 2 Cabinets. Bracket to attach Door Mounting Bracket Kit to cabinet.

Part Number	Description
32771-701	For GF-Series GlobalFrame Gen 1 Cabinets only

3" H (75 mm

5" H (125 mm)

10" H (254 mm)

Door Mounting Bracket

Secures the Aisle Containment Door Assembly to the tops of the cabinets. Two versions for use with or without Door Standoff Kit (P/N 32870). Includes two brackets; available in three height ranges.
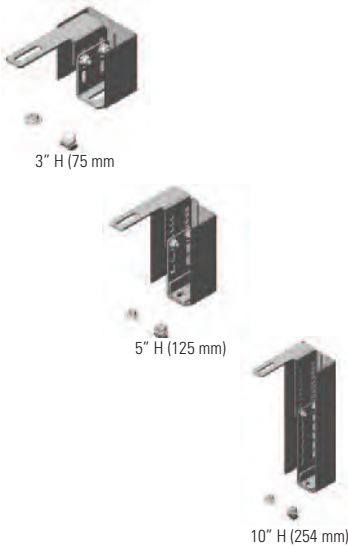
Part Number & Finish		Description
Black	**Glacier White**	
Door Mounting Bracket Kit (use with Standoff Kit)		
32805-703	32805-E03	3"H (75 mm), For 85.3"H (2167 mm) to 91.4"H (2322 mm) Cabinets
32805-704	32805-E04	5"H (125 mm), For 82.6"H (2098 mm) to 94.2"H (2393 mm) Cabinets
32805-705	32805-E05	10"H (254 mm), For 77.8"H (1976 mm) to 98.9"H (2512 mm) Cabinets
Door Mounting Bracket Kit (use without Standoff Kit)		
32805-700	32805-E00	3"H (75 mm), For 85.3"H (2167 mm) to 91.4"H (2322 mm) Cabinets
32805-701	32805-E01	5"H (125 mm), For 82.6"H (2098 mm) to 94.2"H (2393 mm) Cabinets
32805-702	32805-E02	10"H (254 mm), For 77.8"H (1976 mm) to 98.9"H (2512 mm) Cabinets

Front Seal Kit

Side Seal Kit

Containment Floor Seal Kit

Floor Seal Kits block bypass airflow underneath cabinets to prevent leakage from the contained aisle. Use one front seal kit on each cabinet and one side seal kit on each cabinet row; ordered separately.

Part Number & Finish		Description
Black	**Glacier White**	
39208-700	39208-E00	Front Seal, for 23.6"W (600 mm) Cabinets
39208-701	39208-E01	Front Seal, for 27.6"W (700 mm) Cabinets
39208-702	39208-E02	Front Seal, for 31.5"W (800 mm) Cabinets
39209-700	39209-E00	Side Seal, for 31.5"W (800 mm) frames
39209-708	39209-E08	Side Seal, for 39.4"W (1000 mm) frames
39209-712	39209-E12	Side Seal, for 43.3"W (1100 mm) frames
39209-716	39209-E16	Side Seal, for 47.2"W (1200 mm) frames

Note: The part numbers listed above are for GF-Series GlobalFrame Gen 2 Cabinets and F-Series TeraFrame Gen 3 Cabinets. Other sizes and styles are available. Contact CPI Technical Support for assistance.

1 **CPI Cabinet System** – Create cabinet rows using F-Series TeraFrame® Gen 3 Cabinets or GF-Series GlobalFrame® Gen 2 Cabinets. Configure cabinets with Thermal Management Accessories that block airflow through and around cabinets. *Pages: 2-4, 2-31*

2 **Cabinet Supported Exhaust Duct Panel Kit** – Attaches to the top of the cabinet to form part of the exhaust duct over the contained aisle. Order one per cabinet to match cabinet width. *Page: 2-72*

3 **Cabinet Supported Exhaust Duct Horizontal Support Beam** – Intermediate support beam used between every other cabinet to provide lateral support for the duct across the contained aisle. *Page: 2-72*

4 **Cabinet Supported Exhaust Duct H-Seal** – Use to splice and seal panels on adjacent Aisle Containment Exhaust Duct Panel Kits in-between Aisle Containment Exhaust Duct Horizontal Support Beams. *Page: 2-73*

5 **Aisle Containment Exhaust Duct Edge Seal** – Flexible, curved seal used around the top of the duct to create a complete seal with overhead drop ceiling tiles. *Page: 2-73*

6 **Cabinet Supported Exhaust Duct End Panel Kit** – Forms the end of the exhaust duct over a contained aisle. *Page: 2-72*

7 **Door Mounting Bracket Kit** – Adjustable height brackets used to attach the Aisle Containment Door Assembly to the tops of cabinets. *Page: 2-69*

8 **Door Standoff Kit** – Optional kit used when cabinets are placed over a raised floor to offset the door approximately 2.5" (64 mm) away from the side of cabinets so that the bottom of the door is not located over the edges of floor tiles. *Page: 2-68*

9 **Aisle Containment Door Assembly** – Sliding double doors (shown) or single door, both with automatic closing feature and large transparent panel(s). Attaches to the ends of cabinets to seal the ends of the contained aisle. *Page: 2-67*

10 **Aisle Containment Cabinet To Floor Seal Kit** – Cabinet-specific trim panels used along the base of cabinets to seal the gap between the floor and the bottom of the cabinet frame. *Page: 2-69*

Cabinet Supported Hot Aisle Containment (HAC) Solution

The Cabinet Supported Hot Aisle Containment (HAC) Solution features an exhaust duct over a contained hot aisle as part of a closed hot air return. This solution integrates with perimeter cooling, provides immediate improved cooling efficiency and is compatible with economization methods. This system can be expanded by simply adding a pair of cabinets and individual cabinet supported panels to create the duct. It is ideal for small or medium scale data center computer rooms that are gradually adopting containment for "hot zones" as they expand or retrofit the site.

Solution Overview

- Cabinet supported duct allows you to add cabinets, one pair at a time, as required
- Compatible with CPI F-Series TeraFrame Gen 3 Cabinets and GF-Series GlobalFrame Gen 2 Cabinets
- Order individual components to create a duct that matches site requirements
- Duct adjusts in height to match ceiling and can also be trimmed to accommodate shorter ceilings
- Optional accessory filler panels accommodate shorter cabinets
- Translucent duct and transparent door panels allow light to enter the contained aisle
- Doors close automatically to maintain containment and reduce recovery time
- A complete solution maximizes performance with baffles to seal around and within cabinets and the contained aisle
- Durable construction and maintenance-free design provide many years of use

Containment Accessories:
- Adjustable Filler Panel
- Door Top Seal Kit
- GlobalFrame Door Rail Support Kit
- Floor Mounting Template

HAC Ordering Information

The specific combination of components needed to create a complete Cabinet Supported Hot Aisle Containment (HAC) Solution will depend on a number of factors including room layout, ceiling height, whether there is a slab or raised access floor and what type of cabinet models are selected.

To ensure you have a complete solution that addresses site- and cabinet-specific requirements, please contact CPI Technical Support for assistance developing a Bill of Materials (BOM).

Based on your input, CPI Technical Support will propose a complete solution with a drawing and detailed BOM. They will take the time to explain each selection, so you have a complete understanding of how the CPI solutions will provide the desired results.

Item	Part Number	Description	Qty
		Example Bill Of Materials (BOM)	
		Cabinet Supported Hot Aisle Containment (HAC) Solution	
1	FF1U-113C-E42-B	F-Series TeraFrame Gen 3 Cabinet, 45U, 23.6"W (600 mm) x 47.2"D (1200 mm), Glacier White	20
2	32830-E01	Cabinet Supported Exhaust Duct Panel Kit, 23.6"W (600 mm), Glacier White	20
3	32820-E01	Cabinet Supported Exhaust Duct Horizontal Support Beam, Glacier White	5
4	32835-000	Cabinet Supported Exhaust Duct H-Seal, 4'L (1.2 m), 2 Pack, Clear	4
5	32836-001	Aisle Containment Exhaust Duct Edge Seal, 8'L (2.4 m), 6 Pack, Clear	1
6	32850-E01	Cabinet Supported Exhaust Duct End Panel Kit, 48"W (1200 mm), Glacier White	2
7	32805-E04	Door Mounting Bracket Kit, 5"H (125 mm), With Offset, Glacier White	2
8	32870-E01	Door Standoff Kit, For Double Door, Glacier White	2
9	32770-E02	Aisle Containment Double Door Assembly, Clear Doors, Glacier White	2
10	39208-E00	Cabinet To Floor Front Seal Kit, F-Series TeraFrame Gen 3 Cabinet, 23.6"W (600 mm)	20
	39209-E16	Cabinet To Floor Side Seal Kit, F-Series TeraFrame Gen 3 Cabinet, 51.0"D (1297 mm)	4
		Recommended Accessories	
	32875-701	Installation Template, Aisle Containment Double Door Assembly	1
	39085-E03	Air Dam Kit For F-Series TeraFrame Gen 3 Cabinets, Glacier White	20
	39132-E00	Bottom Panel for F-Series TeraFrame Gen 3 Cabinet, Glacier Whte	20
	34537-E02	Snap-In Filler Panel, 1U x 19"EIA, 50 Pack, Glacier White	2
	34538-E02	Snap-In Filler Panel, 2U x 19"EIA, 50 Pack, Glacier White	2
	13671-002	KoldLok Split Integral Raised Floor Grommet, 10 Pack, Black	2

For a more detailed analysis of your site, CPI offers a Pre-Installation Site Survey, a service where a CPI Technical Representative visits your site to provide a more detailed recommendation. To help ensure an optimized aisle containment installation, CPI offers On-Site Installation Supervision Services, which includes related training and examination of the assembled solution. Both Pre-Installation Site Surveys and On-Site Installation Supervision Support are especially important if there are special conditions, concerns or required customization.

All suggestions and performance statements are based on using an overall approach to airflow containment through the use of CPI products and solutions. For more information about CPI's Aisle Containment services or products, call **800-834-4969**, email **techsupport@chatsworth.com** or contact your Regional Sales Manager.

All products quoted are subject to availability based on manufacturing capacity, and shipping dates should be considered estimates only. While every effort has been made to ensure the accuracy of all information, CPI does not accept liability for any errors or omissions and reserves the right to change information and descriptions of listed services and products.

32830-701

32820-701

32850-701

HAC Ordering Information

Cabinet Supported Exhaust Duct Panel Kit

Attaches to the top of the cabinet and captures and vents air from an aisle between adjacent rows of cabinets. Use as part of a closed return for the air handling system. Forms part of the Cabinet Supported Exhaust Duct. Order one per cabinet.

Cabinet Supported Exhaust Duct Horizontal Support Beam

Attaches between adjacent Cabinet Supported Exhaust Duct Panel Kit and adjusts in width to span the contained aisle; connects the sides of the duct along the cabinet row. Use between every other cabinet/panel to provide lateral support for the duct. Order one every other cabinet.

Cabinet Supported Exhaust Duct End Panel Kit

Attaches to the Cabinet Supported Exhaust Duct Panel Kit and forms the end of the exhaust duct over a contained aisle. Use as part of a closed return for the air handling system.

Part Number & Finish		Description
Black	**Glacier White**	
Cabinet Supported Exhaust Duct Panel Kit		
32830-701	32830-E01	For 23.6"W (600 mm) Cabinet
32830-703	32830-E03	For 27.6"W (700 mm) Cabinet
32830-705	32830-E05	For 31.5"W (800 mm) Cabinet
Cabinet Supported Exhaust Duct Horizontal Support Beam		
32820-701	32820-E01	Adjusts from 48"W (1200 mm) to 85"W (2159 mm)
Cabinet Supported Exhaust Duct End Panel Kit		
32850-701	32850-E01	Adjusts from 48"W (1200 mm) to 59"W (1499 mm)
32850-702	32850-E02	Adjusts from 59"W (1499mm) to 70"W (1778 mm)
32850-703	32850-E03	Adjusts from 70"W (1778 mm) to 81"W (2057 mm)

HAC Ordering Information

Adjustable Filler Panel

Fills gaps below the Cabinet Supported Exhaust Duct Panels (P/N 32830) when cabinets vary in height. Includes vertical and horizontal seals. Adjusts in height and available for 6U and 9U cabinet height differences.

Cabinet Supported Exhaust Duct H-Seal & Exhaust Duct Edge Seal

Use H-Seal to splice and seal the gap between the translucent duct panels on adjacent duct panel kits. Use Duct Edge Seal at the top to seal the space between the duct and the drop ceiling.
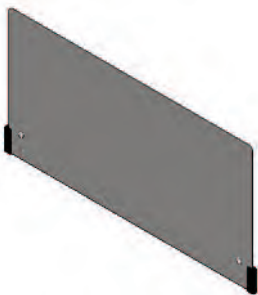
Part Number & Finish		Description
Black	**Glacier White**	
Adjustable Filler Panel		
For up to 6U High Cabinet Height Difference		
32825-700	32825-E00	For a 23.6"W (600 mm) Cabinet
32825-702	32825-E02	For a 24"W (610 mm) Cabinet
32825-704	32825-E04	For a 27.6"W (700 mm) Cabinet
32825-706	32825-E06	For a 29.5"W (750 mm) Cabinet
32825-708	32825-E08	For a 31.5"W (800 mm) Cabinet
For up to 9U High Cabinet Height Difference		
32825-701	32825-E01	For a 23.6"W (600 mm) Cabinet
32825-703	32825-E03	For a 24"W (610 mm) Cabinet
32825-705	32825-E05	For a 27.6"W (700 mm) Cabinet
32825-707	32825-E07	For a 29.5"W (750 mm) Cabinet
32825-709	32825-E09	For a 31.5"W (800 mm) Cabinet

Cabinet Supported Exhaust Duct H-Seal		
Part Number & Quantity		Description
2 Pack	**10 Pack**	
32835-000	32835-001	4'L (1.2 m), clear plastic
Aisle Containment Exhaust Duct Edge Seal		
2 Pack	**6 Pack**	**Description**
32836-000	32836-001	8'L (2.4 m), clear plastic

32835-000

32836-000

1 CPI Cabinet System – Create cabinet rows using F-Series Gen 3 TeraFrame® Cabinets or GF-Series GlobalFrame® Gen 2 Cabinets. Configure cabinets with Thermal Management Accessories that block airflow through and around cabinets. *Page: 2-4, 2-31*

2 Cabinet Supported Ceiling Panel Kit – Attaches to the tops of cabinets, forming a ceiling over the contained aisle. Ordered as a single part number to match aisle width and length. *Page: 2-76*

3 Door Mounting Bracket Kit – Adjustable height brackets used to attach the Aisle Containment Door Assembly to the tops of cabinets. *Page: 2-69*

4 Door Standoff Kit – Optional kit used when cabinets are placed over a raised floor to offset the door approximately 2.5" (64 mm) away from the side of cabinets so that the bottom of the door is not located over the edges of floor tiles. *Page: 2-68*

5 Aisle Containment Door Assembly – Sliding double doors (shown) or single door, both with automatic closing feature and large transparent panel(s). Attaches to the ends of cabinets to seal the ends of the contained aisle. *Page: 2-67*

6 Aisle Containment Cabinet To Floor Seal Kit – Cabinet-specific trim panels used along the base of cabinets to seal the gap between the floor and the bottom of the cabinet frame. *Page: 2-69*

Cabinet Supported Cold Aisle Containment (CAC) Solution

The Cabinet Supported Cold Aisle Containment (CAC) Solution features a cabinet supported ceiling that is used over a contained cold aisle as part of a closed cold air delivery system. This solution integrates with perimeter cooling and provides immediate improved cooling efficiency by separating hot and cold air within the room. It can be used as an alternative to hot aisle containment where there are low ceilings or where it would be difficult to add an overhead drop ceiling. It is ideal for small or medium scale data center computer rooms that are adopting containment but need to minimize changes when retrofitting the site.

Solution Overview

- Cabinet supported ceiling panel kit, ordered as a single part number
- Compatible with F-Series TeraFrame® Gen 3 Cabinets and GF-Series GlobalFrame® Gen 2 Cabinets
- Optional accessory filler panels accommodate shorter cabinets
- Translucent ceiling and transparent door panels allow light to enter the contained aisle
- Doors close automatically to maintain containment and reduce recovery time
- A complete solution maximizes performance with baffles to seal around and within cabinets and the contained aisle
- Durable construction and maintenance-free design provide many years of use

Containment Accessories:
- Adjustable Height Filler Panel
- Universal Cabinet End Panel
- Door Top Seal Kit
- GlobalFrame Door Rail Support Kit
- Floor Mounting Template

CAC Ordering Information

The specific combination of components needed to create a complete Cabinet Supported Cold Aisle Containment (CAC) Solution will depend on a number of factors including room layout, ceiling height, whether there is a slab or raised access floor and what type of cabinet models are selected.

To ensure you have a complete solution that addresses site- and cabinet-specific requirements, please contact CPI Technical Support for assistance developing a Bill of Materials (BOM).

Based on your input, CPI Technical Support will propose a complete solution with a drawing and detailed BOM. They will take the time to explain each selection, so you have a complete understanding of how the CPI solutions will provide the desired results.

Example Bill Of Materials (BOM)			
Item	Part Number	Description	Qty
Cabinet Supported Hot Aisle Containment (HAC) Solution			
1	FF1U-113C-E42-B	F-Series TeraFrame Gen 3 Cabinet, 45U, 23.6"W (600 mm) x 47.2"D (1200 mm), Glacier White	20
2	32710-E75	Cabinet Supported Ceiling Panel Kit, 8"H (200 mm), 20'L (6.0 m), Glacier White	1
3	32805-E04	Door Mounting Bracket Kit, 5"H (125 mm), With Offset, Glacier White	2
4	32870-E01	Door Standoff Kit, For Double Door, Glacier White	2
5	32770-E02	Aisle Containment Double Door Assembly, Clear Doors, Glacier White	2
10	39208-E00	Cabinet To Floor Front Seal Kit, F-Series TeraFrame Gen 3, 23.6"W (600 mm)	20
	39209-E16	Cabinet To Floor Side Seal Kit, F-Series TeraFrame Gen 3, 47.2"D (1200 mm)	4
Recommended Accessories			
	32875-701	Installation Template, Aisle Containment Double Door Assembly	1
	39085-E03	Air Dam Kit For F-Series TeraFrame Gen 3 Cabinets, Glacier White	20
	39132-E00	Bottom Panel for F-Series TeraFrame Gen 3 Cabinet, Glacier White	20
	34537-E02	Snap-In Filler Panel, 1U x 19"EIA, 50 Pack, Glacier White	2
	34538-E02	Snap-In Filler Panel, 2U x 19"EIA, 50 Pack, Glacier White	2
	13761-002	KoldLok Split Integral Raised Floor Grommet, 10 Pack, Black	2

For a more detailed analysis of your site, CPI offers a Pre-Installation Site Survey, a service where a CPI Technical Representative visits your site to provide a more detailed recommendation. To help ensure an optimized aisle containment installation, CPI offers On-Site Installation Supervision Services, which includes related training and examination of the assembled solution. Both Pre-Installation Site Surveys and On-Site Installation Supervision Support are especially important if there are special conditions, concerns or required customization.

All suggestions and performance statements are based on using an overall approach to airflow containment through the use of CPI products and solutions. For more information about CPI's Aisle Containment services or products, call **800-834-4969**, email **techsupport@chatsworth.com** or contact your Regional Sales Manager.

All products quoted are subject to availability based on manufacturing capacity, and shipping dates should be considered estimates only. While every effort has been made to ensure the accuracy of all information, CPI does not accept liability for any errors or omissions and reserves the right to change information and descriptions of listed services and products.

Cabinet Supported
Ceiling Panel Kit

Adjustable Height
Filler Panel

Universal Cabinet
End Panel

Containment Doors listed on page 2-67.

CAC Ordering Information

Cabinet Supported Ceiling Panel Kit
Encloses the top of an aisle between adjacent cabinet rows. Cabinet supported and fits snugly against the cabinet top panels. Large, translucent, full-width ceiling panels allow light to enter the contained aisle. Adjustable ends allow up to 8" (200 mm) of length adjustment, each end adjusts up to 4" (100 mm).

Adjustable Height Filler Panel
Use above short cabinets to fill gaps between the top of the cabinet and the Ceiling Panel Kit. Adjust height for 3U, 6U, 9U and 11U cabinet height differences.

Universal Cabinet Panel
Alternative to Adjustable Height Filler Panel except it adjusts in height and width. Available for 3U, 6U, 9U and 11U cabinet height differences.

Part Number & Finish		Description
Black	**Glacier White**	
Cabinet Supported Ceiling Panel Kit		
For 2 Tile, 48"W (1200 mm) Aisles*		
32710-712	32710-E12	4"H (100 mm), 20'L (6.0 m)
32710-775	32710-E75	8"H (200 mm), 20'L (6.0 m)
32710-7BW	32710-EBW	12"H (300 mm), 20'L (6.0 m)
For 3 Tile, 72"W (1800 mm) Aisles*		
32711-712	32711-E12	4"H (100 mm), 20'L (6.0 m)
32711-775	32711-E75	8"H (200 mm), 20'L (6.0 m)
32711-7BW	32711-EBW	12"H (300 mm), 20'L (6.0 m)
Adjustable Height Filler Panel		
For up to 3U High Cabinet Height Difference*		
32728-701	32728-E01	For 23.6"W (600 mm) Cabinets
32728-704	32728-E04	For 24"W (610 mm) Cabinets
32728-707	32728-E07	For 27.6"W (700 mm) Cabinets
32728-710	32728-E10	For 29.5"W (750 mm) Cabinets
32728-713	32728-E13	For 31.5"W (800 mm) Cabinets
Universal Cabinet Panel		
For up to 3U High Cabinet Height Difference*		
32720-701	32720-E01	From 15.8"W (400 mm) to 23.6"W (600 mm)
32720-704	32720-E04	From 19.7"W (500 mm) to 27.6"W (700 mm)
32720-707	32720-E07	From 21.7"W (551 mm) to 29.5"W (750 mm)
32720-710	32720-E10	From 23.6"W (600 mm) to 31.5"W (800 mm)
32720-713	32720-E13	From 32.1"W (815 mm) to 40.0"W (1016 mm)

Frame Supported Hot Aisle Containment (FSHAC) Solution

The Frame Supported Hot Aisle Containment (HAC) Solution features a frame supported exhaust duct that is used over a contained hot aisle as part of a closed hot air return. This solution integrates with perimeter cooling, provides immediate improved cooling efficiency and is compatible with economization methods. The duct is supported by the frame instead of the cabinets, allowing a mix of cabinets to be installed within the row. It is ideal for colocation facilities and large scale data centers that support cabinet-level equipment installation and changes.

Solution Overview

- Flexible frame supported duct installed before the cabinets allows you to add, remove or omit cabinets as required
- Compatible with virtually any mix of cabinets; any width and heights up to 52U high
- Large open spans with 12' (3 m) to 20' (6 m) clearance between frame support posts for bayed cabinets
- Built-in height, width and depth adjustments on frame beams, lateral supports and panels accommodate site differences and existing conditions reducing the need for complex, time-consuming, field modification or special-ordered parts
- Translucent duct and transparent door panels allow light to enter the contained aisle
- Doors close automatically to maintain containment and reduce recovery time
- A complete solution maximizes performance with baffles to seal around and within cabinets and the contained aisle
- Durable construction and maintenance-free design provide years of use

1 Frame Supported Exhaust Duct – Cabinet-independent frame and translucent exhaust duct cover the contained aisle to capture and vent airflow out of the aisle. Used as part of a closed return for the air handling system. *Page: 2-79*

2 Aisle Containment Exhaust Duct Edge Seal– Flexible, curved seal used around the top of the duct to create a complete seal with overhead drop ceiling tiles. *Page: 2-79*

3 Aisle Containment Double Door Assembly – Sliding double doors with automatic closing features and large transparent panels. Attaches to the ends of the Frame Supported Exhaust Duct to seal the ends of the contained aisle (this system not compatible with Single Door Assembly). *Page: 2-67*

4 Adjustable Height Filler Panel or Universal Cabinet End Panel – Adjustable height panels used above standard equipment cabinets to seal gaps between the 52U Frame Supported Exhaust Duct and the cabinets. Alternately, Universal Cabinet End Panels adjust in both height and width. *Page: 2-80*

5 Full Height Blanking Panel – Translucent panel and seal used to fill gaps where entire cabinets are omitted from the cabinet row. Easy to trim to match required width. Supports "roll-in/roll-out" deployment, and variable length cabinet rows are created when cabinets of differing widths are deployed in the same row. *Page: 2-79*

6 Aisle Containment Cabinet To Floor Seal Kit or AisleLok™ Under Rack Panel – Cabinet-specific trim panels used along the base of cabinets to seal the gap between the floor and the bottom of the cabinet frame. If not available from the cabinet manufacturer, trim and adhere AisleLok Under Rack Panel to seal gaps under cabinets. *Page: 2-69*

Containment Accessory:
- Floor Mounting Template

FS HAC Ordering Information

The specific combination of components needed to create a complete Frame Supported Hot Aisle Containment (HAC) Solution will depend on a number of factors including room layout, ceiling height, whether there is a slab or raised access floor and what type of cabinet models are selected.

To ensure you have a complete solution that addresses site- and cabinet-specific requirements, please contact CPI Technical Support for assistance developing a Bill of Materials (BOM).

Based on your input, CPI Technical Support will propose a complete solution with a drawing and detailed BOM. They will take the time to explain each selection, so you have a complete understanding of how the CPI solutions will provide the desired results.

		Example Bill Of Materials (BOM)	
Item	Part Number	Description	Qty
		Frame Supported Hot Aisle Containment (HAC) Solution	
1	32990-E05	Frame Supported Exhaust Duct, For a 60"W (1524 mm) – 76.5"W (1943 mm) Aisle, 20'L (6.0 m), Glacier White	1
2	32836-001	Aisle Containment Edge Seal, 8'L (2.4 mm), Clear, 6 Pack	1
3	32770-E02	Aisle Containment Double Door Assembly, Glacier White with Anodized Door Frames	2
4	32728-E03	Adjustable Height Filler Panel, 9U, 23.6"W (600 mm), Glacier White	18
5	32995-E01	Full Height Blanking Panel, Glacier White	2
6	39208-E00	Cabinet To Floor Front Seal Kit, For 23.6"W (600 mm) F-Series TeraFrame Gen 3 Cabinet, Glacier White	18
	39209-E16	Cabinet To Floor Side Seal Kit, For 47.2"D (1200 mm) F-Series TeraFrame Gen 3 Cabinet frame, Glacier White	4
		Recommended Accessories	
	32875-701	Installation Template, Aisle Containment Double Door Assembly	1
	FF1U-113C-E42-B	F-Series TeraFrame Cabinet, 45U, 23.6"W (600 mm) x 51.0"D (1297 mm), Perforated Doors, (2) Side Panels, Glacier White	18
	39085-E03	Air Dam Kit For F-Series TeraFrame Cabinets, 45U, 23.6"W (600 mm), Glacier White	18
	39132-E00	Bottom Panel For F-Series TeraFrame Gen 3 Cabinet, Glacier White	18
	34537-E02	Snap-In Filler Panel, 1U x 19"EIA, Glacier White, Pack of 50	2
	34538-E02	Snap-In Filler Panel, 2U x 19"EIA, Glacier White, Pack of 50	2
	13876-002	AisleLok Acrycell Sealing Tape, 2"W (50 mm), 8.5'L (2.6 m), Pack of 5	1
	13671-002	KoldLok Split Integral Raised Floor Grommet, Black, Pack of 10	2

For a more detailed analysis of your site, CPI offers a Pre-Installation Site Survey, a service where a CPI Technical Representative visits your site to provide a more detailed recommendation. To help ensure an optimized aisle containment installation, CPI offers On-Site Installation Supervision Services, which includes related training and examination of the assembled solution. Both Pre-Installation Site Surveys and On-Site Installation Supervision Support are especially important if there are special conditions, concerns or required customization.

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Frame Supported Exhaust Duct

Full Height Blanking Panel

Aisle Containment Exhaust
Duct Edge Seal

FS HAC Ordering Information

Frame Supported Exhaust Duct

Frame Supported Duct allows you to add, remove or omit cabinets as required. Captures and vents air from an aisle between adjacent rows of cabinets. Includes overhead duct and frame to support duct; order doors and filler panels separately. Compatible with any mix of cabinets and any width up to 52U high.

Full Height Blanking Panel

Fills gaps when a cabinet is omitted from the aisle/cabinet row. Fits snugly and contains air in the enclosed hot aisle between the sides of adjacent rows. Center panel is translucent and sides are painted. Includes horizontal and vertical seals; order hardware separately.

Frame Supported Exhaust Duct Edge Seal

Use Duct Edge Seal at the top to seal the space between the duct and the drop ceiling.

Part Number & Finish		Description
Black	**Glacier White**	
Frame Supported Exhaust Duct		
For 60" (1524 mm) to 76.5" (1943 mm) Wide Frame		
32990-701	32990-E01	12'L (3.6 m) Span/Cabinet Row
32990-702	32990-E02	14'L (4.2 m) Span/Cabinet Row
32990-703	32990-E03	16'L (4.8 m) Span/Cabinet Row
32990-704	32990-E04	18'L (5.4 m) Span/Cabinet Row
32990-705	32990-E05	20'L (6.0 m) Span/Cabinet Row
Full Height Blanking Panel		
32995-701	32995-E01	99.3"H (2522 mm) x 40"W (1016 mm), Each
32995-702	32995-E02	99.3"H (2522 mm) x 40"W (1016 mm), Pack of 6
Frame Supported Exhaust Duct Edge Seal		
2 Pack	**6 Pack**	**Description**
32836-000	32836-001	8'L (2.4 m), clear plastic

*Note: Frame Supported Exhaust Duct is available in other sizes.

Adjustable Height Filler Panel

Universal Cabinet End Panel

FS HAC Ordering Information

Adjustable Height Filler Panel

Use above short cabinets to fill gaps between the top of the cabinet and the Frame Supported Exhaust Duct. Adjusts height for 3U, 6U, 9U and 11U cabinet height differences.

Universal Cabinet Panel

Alternative to Adjustable Height Filler Panel, except it adjusts in height and width. Available for 3U, 6U, 9U and 11U cabinet height differences.

Adjustable Height Filler Panel		
For up to 3U High Cabinet Height Difference*		
32728-701	32728-E01	For 23.6"W (600 mm) Cabinets
32728-704	32728-E04	For 24"W (610 mm) Cabinets
32728-707	32728-E07	For 27.6"W (700 mm) Cabinets
32728-710	32728-E10	For 29.5"W (750 mm) Cabinets
32728-713	32728-E13	For 31.5"W (800 mm) Cabinets
Universal Cabinet Panel		
For up to 3U High Cabinet Height Difference*		
32720-701	32720-E01	From 15.8"W (400 mm) to 23.6"W (600 mm)
32720-704	32720-E04	From 19.7"W (500 mm) to 27.6"W (700 mm)
32720-707	32720-E07	From 21.7"W (551 mm) to 29.5"W (750 mm)
32720-710	32720-E10	From 23.6"W (600 mm) to 31.5"W (800 mm)
32720-713	32720-E13	From 32.1"W (815 mm) to 40.0"W (1016 mm)

Note: Other sizes available.

ZONE CABLING & WIRELESS ENCLOSURES
Raised Floor, Drop Ceiling & Wall-Mount Enclosures

ZONE CABLING & WIRELESS ENCLOSURES

When it is time for a network to extend beyond the traditional telecommunications room, CPI Zone Cabling and Wireless Enclosures provide consolidation points that reduce the overall cost of adding or moving network cabling. Working in a partnership with American Access Technologies, Inc., the leading developer of zone cabling and wireless enclosures, CPI offers solutions that include standards-recognized zone cabling practices and several NEMA-rated models that can be used in warehouses, industrial environments and outdoors.

Available in several styles of wall-mount and drop ceiling wireless enclosures, end users are able to use CPI Zone Cabling and Wireless Enclosures to pre-wire a work area, so connections to the rest of the network are closer to network users. Pre-wiring to zone enclosures also makes future connection changes within the zone easier and less disruptive because only cables within the zone are moved, added or changed.

Wireless Enclosures offer added protection and security for wireless access points in any situation. Several models of Wireless Enclosures include locks and durable seals for exterior use, while others are able to easily blend into open office environments with dome covers that limit access to qualified technicians only.

CPI Zone Cabling and Wireless Enclosures feature:
- High-quality construction and design
- Small exterior dimensions to save space in tight areas
- Secure equipment support outside of the data room
- Reduced cost of cable configurations
- Enclosed for security and safety
- UL Listed
- Suitable for low-voltage and active applications
- Can be used in air handling spaces

CPI: 800-834-4969

Traditional, Home Run Wiring

Zone Cabling

Wireless

Telecommunication Enclosures
For Zone Cabling & Wireless Applications

In traditional cabling models, cables extend from a centralized telecommunication room to each work area. Cable changes impact the entire length of cable between the central room and the work area, and can be disruptive to workers within the workspace.
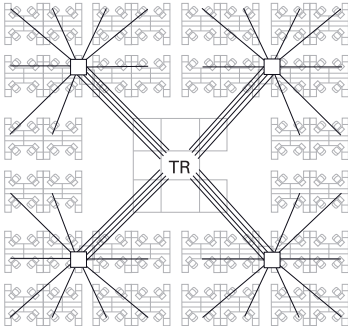
In zone cabling, floor space is divided into zones (typically the area between structural building columns), and an enclosure is placed near the center of the zone to house a consolidation point. Thus, only the cable between the consolidation point and work area is impacted when a network connection is changed, reducing the amount of material, labor and workspace disruption involved in the change.

Alternately, an active component (such as a switch) can be placed within the enclosure, essentially creating a "mini-telecommunication room" within the workspace. When fiber is routed into the enclosure, an easily scalable network is created via the active component. The customer's network is thus positioned to allow fiber to the desktop when desired.

Zone cabling is an ideal solution to support networked areas with high "churn" (such as rented commercial office space, data centers, laboratories, schools, hospitals, retail operations, warehouses and industrial environments) or for use in any building that does not have planned space for a telecommunication room.
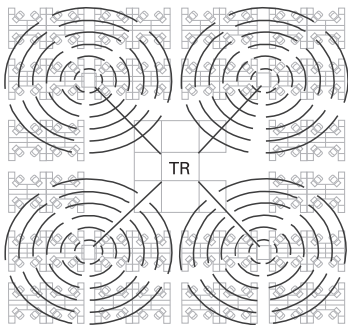
Wireless networks eliminate the need for data cabling to each user and are the best solution in large, open areas, like classrooms and meeting rooms. Wireless networks can supplement, overlay or replace traditional networks. The key to an effective wireless network is the positioning of the wireless access point to provide maximum coverage in the workspace. Once locations are defined, wireless enclosures create a secure space for the network connection and the wireless access point.

CPI offers Zone Cabling and Wireless Enclosures for use in drop ceilings, access floors and on walls. Also, a special series of wall-mount enclosures made of fiberglass are NEMA rated for use in dusty or wet environments, such as outdoors, in a warehouse or in a light industrial site (not submerged or in hazardous locations). Product applications and model information are given on the following pages.

Raised Floor Enclosures

Raised Floor Enclosures fit under a single 2' x 2' access floor tile. Most models use the access floor tile as a "lid." Enclosures are UL Listed, suitable for low voltage and active applications and for use in air handling spaces.

A variety of sizes are available to match floor height. Most models include brackets for attachment to access floor support pedestals. Enclosures include threaded equipment mounting rails and have multiple, edge-protected cable access ports with foam sealing kits. All enclosures are finished clear.

In enclosures designed for use in low height floors, two facing pairs of pivoting equipment mounting rails are used to provide easy access to the front and rear of the patch panel. In deeper enclosures, rails that are parallel to the floor provide higher consolidation point capacity. There is also a model with a lift out tray that can support active components. Order #12-24 equipment mounting screws (P/N 40605-001) separately.

Raised Floor Enclosures For Patch Panels

These enclosures use the access floor tile as a "lid." (All models, except A0222-RF, include access floor installation brackets.)
- A0222-RF features four cable access ports 6" x 3/4" (152 mm x 19 mm); 19" EIA threaded equipment mounting rails "pivoting"
- A0422-RF features four cable access ports 6" x 3/4" (152 mm x 19 mm); 19" EIA threaded equipment mounting rails "pivoting"
- A0622-RF features four cable access ports 6-3/4" x 2" (171 mm x 50 mm); 19" EIA threaded equipment mounting rails "pivoting"
- A0822-RF features four cable access ports 6-3/4" x 2" (171 mm x 50 mm); 19" EIA threaded equipment mounting rails "pivoting"
- 13772-001 features larger cable openings for Cat 6a cables; two ports 14-3/4" x 3-1/4" (374 mm x 8 2mm) and two ports 6-1/4" x 7" (158.8 mm x 180 mm); 19" EIA threaded equipment mounting rails "pivoting"
- A1422-RF features four cable access ports 9-3/4" x 2-3/4" (247 mm x 69 mm); 19" EIA threaded equipment mounting rails "fixed"
- 13772-002 features larger cable openings for Cat 6a cables; six ports 14-3/4" x 3-1/4" (374 mm x 82 mm); 19" EIA threaded equipment mounting rails "pivoting"

A0822-RF

A1422-RF

Part Number	Description Depth in (mm)	Shipping Weight lb (kg)
A0222-RF	1U+1U Enclosure for 2 (50) Floor	10 (4.5)
A0422-RF	1U+1U Enclosure for 4 (100) Floor	10 (4.5)
A0622-RF	2U+2U Enclosure for 6 (150) Floor	23 (10.4)
A0822-RF	4U+4U Enclosure for 8 (200) Floor	23 (10.4)
13772-001	4U+4U Enclosure. for 8 (200) Floor, Large Ports	25 (11.3)
A1422-RF	11U Enclosure for 14 (360) Floor	30 (13.6)
13772-002	4U+4U Enclosure for 14 (360) Floor, Large Ports	30 (13.6)

UL LISTED

Raised Floor Enclosure For Fiber

Prepare your data center for future changes by pre-wiring it with fiber connections located under an access floor.
• Fits under a single 2' x 2' access floor tile
• A0822-RF-F features two 7" x 2" (180 mm x 50 mm) cable access ports and 19" EIA threaded equipment mounting rails with 4U of rack-mount space
• A1422-RF-F features two 10" x 2-1/2" cable access ports and 19" EIA threaded equipment mounting rails with 6U of rack-mount space
• Equipment mounting rails can be centered or offset in the enclosure to accomodate angled patch panels or longer electronics
• Cable tie points simplify cable management
• Includes (4) access floor support brackets

A0822-RF-F

Part Number	Description Depth in (mm)	Shipping Weight lb (kg)
A0822-RF-F	4U Fiber Enclosure for 9 (230) Floor	30 (13.6)
A1422-RF-F	6U Fiber Enclosure for 14 (356) Floor	30 (13.6)

UL LISTED

Raised Floor Enclosure For Active Components

Features a lift-out tray for 2U x 10-1/4"D (260.4 mm) of active components and 5U (divided 2U - 1U - 2U) for passive connectivity.
• Includes a junction box for a duplex power outlet
• Includes fan to remove heat generated by active components

A1411-RF-HR

Part Number	Description Depth in (mm)	Shipping Weight lb (kg)
A1411-RF-HR	7U Enclosure for 14 (360) Floor	30 (13.6)

UL LISTED
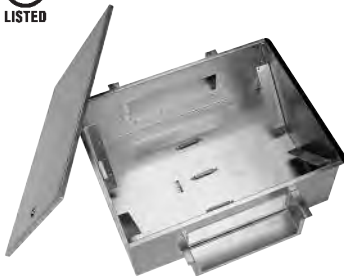
Raised Floor Enclosure With Locking Cover For Patch Panels

"Drop-In" enclosure measures 21-1/4" x 22-1/4" (539.8 mm x 565.2 mm) and includes a locking cover for use completely below access floor tiles. Installation only requires the removal of one floor tile.
• Features pivoting mounting rails similar to models above and is perfect for existing data centers

A0802-RF-DI

Part Number	Description Depth in (mm)	Shipping Weight lb (kg)
A0802-RF-DI	4U+4U Enclosure for 9 (230) Floor	25 (11.3)

Ceiling Enclosures

Ceiling Enclosures fit within a single 2' x 2' or 2' x 4' space, replacing a standard acoustical ceiling tile. The enclosure's face and interior are painted white and have recessed panels to support a ceiling tile, so that they blend with the drop ceiling. A fully hinged door panel with latch closures supports equipment. The door opens downward so that equipment is facing the service technician. Three door styles are available to support wiring blocks, patch panels or active components. Door locks are available as an accessory.

Ceiling Enclosures are UL Listed, suitable for low voltage and active applications and for use in air handling spaces.
• 2' x 2' enclosures support 70 lb (31.8 kg) of cables and equipment and 20 lb (9.1 kg) on the access door
• 2' x 4' enclosures support 80 lb (36.3 kg) of cables and equipment and 50 lb (22.7 kg) on the pneumatic assisted access door
• Enclosures fit in 12"H (300 mm) drop ceilings and attach to building structure with four or six 3/8" threaded rods (ordered separately)
• Includes two or four edge-protected cable access ports with fire-rated foam sealing kits

A1222-HR

Ceiling Enclosure For Hubs, Switches And Patch Panels

Telecommunication enclosure supports a combination of active components and patch panels or other panel-mount termination hardware. Enclosures include a junction box for power and a fan to remove heat generated by active components.
• A1222-HR provides 5U for patch panels and 2U x 15"D (380 mm) for active equipment; equipment mounts on the door
• 13812-001 provides larger cable openings for Cat 6a; one 3-1/4" x 14-3/4" (82.6 mm x 374.7 mm) and one 6-1/4" x 6-7/8" (158.8 mm x 174.6 mm)
• A1024-HR provides 5U for patch panels and 2U x 15"D (380 mm) for active equipment; equipment mounts on the door
• A1224-HR provides a total of 10U with (3) brackets sized 4U - 2U - 4U to support a combination of patch panels and 15"D (380 mm) or less active equipment; brackets may be mounted on the door or the back of the enclosure
• Order #12-24 equipment mounting screws separately

Part Number	Description	Shipping Weight lb (kg)
A1222-HR	2' x 2' Ceiling Enclosure	39 (17.7)
13812-001	2' x 2' Ceiling Enclosure, Large Ports	40 (18.1)
A1024-HR	2' x 4' Ceiling Enclosure	47 (21.4)
A1224-HR	2' x 4' Ceiling Enclosure	45 (20.4)

A1222-PP

13813-001

Ceiling Enclosure For Patch Panels

Secure a consolidation point using 19" patch panels or other panel-mount termination hardware.

- A1222-PP provides a total of 5U with (3) brackets sized 2U - 1U - 2U; brackets mount on the door
- 13812-002 provides larger cable openings for Cat 6a; one 3-1/4" x 14-3/4" (82.6 mm x 374.7 mm) and one 6-1/4" x 6-7/8" (158.8 mm x 174.6 mm)
- A1024-PP provides a total of 5U with (3) brackets sized 2U - 1U - 2U; brackets mount on the door
- A1224-PP provides a total of 10U with (3) brackets sized 4U - 2U - 4U; brackets may be mounted on the door or the back of the enclosure
- Order #12-24 equipment mounting screws separately

Part Number	Description	Shipping Weight lb (kg)
A1222-PP	2' x 2' Ceiling Enclosure	38 (17.2)
13812-002	2' x 2' Ceiling Enclosure, Large Ports	39 (17.7)
A1024-PP	2' x 4' Ceiling Enclosure	43 (19.6)
A1224-PP	2' x 4' Ceiling Enclosure	45 (20.4)
13813-001	Ceiling Enclosure Fan Kit & Junction Box	3 (1.4)

Fan Kit & Junction Box, included with 13812-001, can be installed on either 13812-002 or 13812-003 to better support active components.

A1224-LP

Ceiling Enclosure For Wiring Blocks

Secure a consolidation point using wiring blocks. Enclosures include removable equipment mounting plates that can be match drilled to accommodate a wide variety of wiring blocks.

- A1222-LP has (1) mounting plate, size 13-3/4"W x 19-1/2"L (349 mm x 495 mm) for (2) 300-pair 110D (without legs) style blocks or (1) 300-pair 110A (with legs) style blocks
- 13812-003 provides larger cable openings for Cat 6a; one 3-1/4" x 14-3/4" (82.6 mm x 374.7 mm) and one 6-1/4" x 6-7/8" (158.8 mmx 174.6 mm)
- A1024-LP has (1) mounting plate, 16"W x 22"L (406 mm x 559 mm) for (2) 300-pair 110A (with legs) style blocks
- A1224-LP has (2) mounting plates, size 13-3/4"W x 19-1/2"L (349 mm x 495 mm) for (4) 300-pair 110D (without legs) style blocks or (2) 300-pair 110A (with legs) style blocks

Part Number	Description	Shipping Weight lb (kg)
A1222-LP	2' x 2' Ceiling Enclosure	38 (17.2)
13812-003	2' x 2' Ceiling Enclosure, Large Ports	39 (17.7)
A1024-LP	2' x 4' Ceiling Enclosure	43 (19.6)
A1224-LP	2' x 4' Ceiling Enclosure	45 (20.4)

Basic Consolidation Enclosures

Basic Consolidation Enclosures (BCE) provide a low-cost, low-density consolidation point for telecommunication cabling. Both Ported (-P) and Non-Ported (-N) enclosures can be configured to be used either above the drop ceiling or below an access floor. All Ported versions (-P) come with a fire-rated foam sealing kit, making them suitable for air handling spaces. Basic Consolidation Enclosures are UL Listed (2043), plenum rated and come with a sealed door and a clear aluminum finish.

BCE-6-P

BCE-6-P measures 14"W x 6"D x 20"L (360 mm x 150 mm x 510 mm) and includes installation brackets for attachment to building structure with 3/8" threaded rods. (Equipment mounting brackets not included.)

Part Number	Description	Shipping Weight lb (kg)
BCE-6-P	2-Port Enclosure	7 (3.2)

BCE-6-P

BCE-24-P/N

BCE-24-P/N measures 14"W x 3"D x 20"L (360 mm x 80 mm x 510 mm). It includes rotating threaded interior mounting brackets for a one rack-mount space (1U) 19" patch panel. Order #12-24 equipment mounting screws separately.

Part Number	Description	Shipping Weight lb (kg)
BCE-24-P	1U 2-Port Enclosure	7 (3.2)
BCE-24-N	1U Non-Ported Enclosure	7 (3.2)

BCE-24-P

BCE-48-P/N

BCE-48-P/N measures 14"W x 6"D x 20"L (360 mm x 150 mm x 510 mm). It includes rotating threaded interior mounting brackets for two rack-mount spaces (2U) of 19" patch panels. Order #12-24 equipment mounting screws separately.

Part Number	Description	Shipping Weight lb (kg)
BCE-48-P	2U 2-Port Enclosure	12 (5.4)
BCE-48-N	2U Non-Ported Enclosure	12 (5.4)

BCE-48-P

Zone Enclosure Service Parts

CPI provides a variety of replacement parts for zone cabling enclosures. Chrome Lock Kits and Spare Keys enhance security of the Ceiling Enclosure, replacing existing turn locks. Mounting Brackets ensure weight of Raised Floor Enclosure is fully supported.

Chrome Lock Kits/Spare Keys

Optional locks provide additional security for all standard ceiling enclosures. Includes two locks and two keys.

Part Number	Description
Chrome Lock Kit	Lock Kit, Pair
Spare Keys	Spare Keys, Pair

Spare Keys   Chrome Lock Kit

Raised Floor Mounting Brackets

Additional brackets used to support Raised Floor Enclosures from access floor support pedestals.

Part Number	Description
RF-BRACKET	Mounting Brackets, 4 each

RF-BRACKET

Ceiling-Mounted Wireless Access Point Enclosures

Ceiling Enclosures create a permanent location for various wireless access points or bridges within drop ceilings. Equipment is supported on the access door. Most access doors are pre-punched with openings for antennas. Ceiling Enclosures include support brackets for use with 2' ceiling "grids." AAT-CAP features interchangeable door-mounted faceplates with mounting brackets for equipment. Universal Faceplate accepts access points up to 2"H x 10"W x 8"D (50 mm x 250 mm x 200 mm) with antennae(s) up to 10.5" (267 mm) apart. Enclosure is finished in white.

Wireless and Fiber Ready

UL LISTED
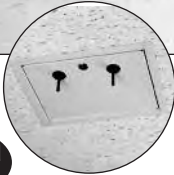
AAT-CAP-00

AAT-CAP-UNI

AAT-CAP-11

AAT-CAP-12

AAT-CAP-1232

AAT-CAP-1242

AAT-CAP

UL LISTED

AAT-CAP-1232-KIT

Part Number	Description W x D x L in (mm)	Shipping Weight lb (kg)
Wireless Ceiling Enclosures Without Faceplates		
AAT-CAP	12 x 10 x 14.5 (305 x 254 x 368)	8 (3.6)
AAT-CAP-10-P	12 x 13 x 14.5 (305 x 330 x 368) with junction box	9 (4.1)
AAT-CAP-S	12 x 5 x 14.5 (305 x 127 x 368)	8 (3.6)
Faceplates For Wireless Enclosures		
AAT-CAP-00	Blank (Solid) Faceplate	3 (1.4)
AAT-CAP-UNI	Universal Faceplate	3 (1.4)
AAT-CAP-11	For Cisco® Aironet® 1100	3 (1.4)
AAT-CAP-12	For Cisco® Aironet® 1200	3 (1.4)
AAT-CAP-1232	For Cisco® Aironet® 1232	3 (1.4)
AAT-CAP-1242	For Cisco® Aironet® 1242	3 (1.4)
AAT-CAP Enclosures, 10"D (250 mm), With Faceplates		
AAT-CAP-00-KIT	Blank (Solid) Faceplate	10 (4.5)
AAT-CAP-UNI-KIT	Universal Faceplate	10 (4.5)
AAT-CAP-11-KIT	Cisco® 1100 Faceplate	10 (4.5)
AAT-CAP-12-KIT	Cisco® 1200 Faceplate	10 (4.5)
AAT-CAP-1232-KIT	Cisco® 1232 Faceplate	10 (4.5)
AAT-CAP-1242-KIT	Cisco® 1242 Faceplate	10 (4.5)
AAT-CAP-S Enclosures, 5"D (130 mm), With Faceplates		
AAT-CAP-S-00-KIT	Blank (Solid) Faceplate	9 (4.1)
AAT-CAP-S-UNI-KIT	Universal Faceplate	9 (4.1)
AAT-CAP-S-12-KIT	Cisco® 1200 Faceplate	9 (4.1)
AAT-CAP-S-1232-KIT	Cisco® 1232 Faceplate	9 (4.1)
AAT-CAP-S-1242-KIT	Cisco® 1242 Faceplate	9 (4.1)

Note: AAT-CAP-11 may only be used with AAT-CAP.
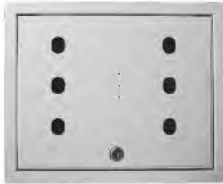
13833-001

WA064-CAP

Wireless and Fiber Ready

Ceiling-Mounted Wireless Enclosure

Ceiling Enclosures create a secure and permanent location for various wireless access points or bridges within drop ceilings. Equipment is supported on the access door. Enclosures are finished in white.

Part Number	Description W x D x L in (mm)	Shipping Weight lb (kg)
13833-001	15.5 x 5 x 16.5 (394 x 127 x 419) Optimized for Cisco® 1250	10 (4.5)
WA064-CAP	10 x 4 x 12.75 (254 x 102 x 324) Optimized for Cisco® Aironet® 350	5 (2.3)

Dome Wireless Enclosure

The AAT-ACE-DOME replaces a single drop ceiling tile to hide wireless access points in open office spaces. The dome is mounted on a fully hinged locking door, providing easy access to equipment and cables for authorized technicians only.

• (1) 3/4"H x 3"W (19.1 mm x 80 mm) edge-protected cable access port with approved foam sealing kit
• Includes two sets of standoffs to adjust height of back plate within dome
• Enclosure: 23-3/4"W x 3"D x 23-3/4"L (603.3 mm x 80 mm x 603.3 mm)
• Dome: 6-1/2"H (165 mm), 14" Diameter (360 mm)
• Dome is large enough to accomodate most acccess points, including Cisco's large 1250 series AP
• Product Weight: 10.5 lb (4.76 kg)
• Removable mounting plate is 8 7/8"W x 6-7/8"L (225.43 mm x 174.63 mm)
• Customer must provide (4) 3/8" threaded rods and installation hardware
• Enclosure and dome are finished in white
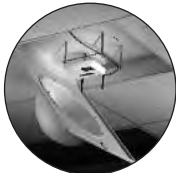
Part Number	Description W x D x L in (mm)	Shipping Weight lb (kg)
AAT-ACE-DOME	23.75 x 3 x 23.75 (603 x 80 x 603) Domed Wireless Enclosure	21 (9.5)

UL LISTED

Wireless Wall–Mount Enclosure

Wall-mounted access points provide better wireless coverage in some environments. This enclosure is for interior use and provides a secure and permanent wall-mounted location for various wireless access points and bridges.

• Optimized for Cisco® Aironet® 350
• Enclosure is finished in beige
• UL Listed

Part Number	Description H x W x D in (mm)	Shipping Weight lb (kg)
WA064-WAP	8 x 11 x 3 (200 x 280 x 80)	9 (4.1)

Wireless and Fiber Ready

NEMA Rated

NEMA–Rated Wireless Wall-Mount Enclosure

The AAT-MWME-P is a wall-mounted wireless access point enclosure designed for warehouse, manufacturing, light industrial and exterior use. A single front door provides access to equipment. The door is attached with a continuous steel hinge and secured by padlock through a stainless steel padlock hasp. A gasket seals the interior at closure.

• Enclosure is completely sealed; customer drills cable entry holes to fit application
• Enclosure: fiberglass reinforced polyester, gray
• Enclosure: 11-1/2"H x 9-1/2"W x 4-1/2"D (292 mm x 241 mm x 114 mm)
• Product Weight: 5 lb (2.3 kg)
• Interior of the enclosure is 3"D (80 mm)
• Maximum equipment size is 9" x 7" x 3" (230 mm x 180 mm x 80 mm)
• Customer must provide installation and cable access hardware
• NEMA 1, 2, 3, 3R, 4, 4X, 12 and 13

Part Number	Description H x W x D in (mm)	Shipping Weight lb (kg)
AAT-MWME-P	11.5 x 9.5 x 4.5 (292 x 241 x 114)	6 (2.7)

NEMA
Rated

Large NEMA-Rated Wireless Wall-Mount Enclosure

The AAT-WME-P is for warehouse, manufacturing, light industrial and exterior use. A single front door provides access to equipment. The door is attached with a continuous steel hinge and secured by padlock through a stainless steel padlock hasp. A gasket seals the interior at closure.
- Enclosure is completely sealed; customer drills cable entry holes to fit application
- Removable mounting plate for wireless transmitters
- Enclosure: Fiberglass reinforced polyester, gray
- Product Weight: 7.5 lb (3.4 kg)
- The interior of the enclosure is 5"D (130 mm)
- Maximum equipment size: 13.5" x 11.5" x 5" (343 mm x 292 mm x 130 mm)
- Customer must provide installation and cable access hardware
- NEMA 1, 2, 3, 3R, 4, 4X, 12 and 13

Wireless and
Fiber Ready

Part Number	Description H x W x D in (mm)	Shipping Weight lb (kg)
AAT-WME-P	15.5 x 13.5 x 6 (394 x 343 x 150)	11 (5.0)

NEMA
Rated

Large NEMA-Rated Wireless Wall-Mount Enclosure With Window

The AAT-WMESG-P is for warehouse, manufacturing, light industrial and exterior use. A single front door provides access to equipment. The door is attached with a continuous steel hinge and secured by padlock through a stainless steel padlock hasp. A gasket seals the interior at closure. Large window provides viewing of equipment.
- Enclosure is completely sealed;, customer drills cable entry holes to fit application
- Removable mounting plate for wireless transmitters
- Enclosure: Fiberglass reinforced polyester, gray
- Product Weight: 7.5 lb (3.4 kg)
- The interior of the enclosure is 5"D (130 mm)
- Maximum equipment size: 13.5" x 11.5" x 5" (343 mm x 292 mm x 130 mm)
- NEMA 1, 2, 3, 3R, 4, 4X, 12 and 13

Part Number	Description H x W x D in (mm)	Shipping Weight lb (kg)
AAT-WMESG-P	15.5 x 13.5 x 6 (394 x 343 x 150) Large Enclosure with Window	11 (5.0)

Wall-Mount Enclosure

The Wall-Mount Enclosure measures 24"H x 42"W x 7.5"D (610 mm x 1070 mm x 191 mm). Includes mounting positions for passive and active equipment, a junction box and a fan to remove heat generated by active components. Mounting positions include space for a single 100 pair 110-style termination block, a single 6-port fiber optic adapter panel, two 2U x 19" spaces for patch panels or other panel mount termination hardware and one 3U x 19" space for active components up to 18"D (460 mm).

The enclosure is pre-punched with knockouts for 1/2" or 1-1/2" electrical conduit for cables and has an insulated, locking, fully-hinged double door to reduce noise and provide security.
• Enclosure is finished in beige

Part Number	Description H x W x D in (mm)	Shipping Weight lb (kg)
AAT-AWM-H	24 x 42 x 7.5 (610 x 1070 x 191)	76 (34.4)

MUTOA Floor Boxes

Multi-User Telecommunications Outlet Assemblies (MUTOA) are typically small, passive devices that do not rack-mount. CPI's MUTOA Floor Boxes allow convenient and economical storage of these devices. Available in 24- and 48-port designs.
• Lightweight construction
• Meets TIA-569-B standards

Part Number	Description	Shipping Weight lb (kg)
13701-024	24-Port MUTOA Floor Box	30 (13.6)
13701-048	48-Port MUTOA Floor Box	35 (15.7)

WALL-MOUNT SYSTEMS

Wall-Mount Racks, Cabinets & Accessories

WALL-MOUNT SYSTEMS

As telecommunications needs continue to grow and expand, the physical space in which they exist do not always grow at the same rate. Wall-Mount Systems overcome this hurdle by providing racks and cabinets that allow you to create locations for cables and equipment where space is limited or does not exist. Secure equipment on the wall inside or outside of the telecommunications room and connect remote groups of users to the network. CPI offers several styles and options of fixed and swing gate Wall-Mount Racks and Cabinets available as either open or enclosed systems.

Wall-Mount Open Systems feature:
- Mountable to wall or backboard
- Open architecture for airflow and easy access to cables
- Support of patch panels, shelves, trays and network equipment with roll-formed #12-24 tapped mounting holes
- 19"or 23" rack-mount width
- High-strength, lightweight aluminum construction (most models)
- Standard EIA-310-D hole pattern
- Fixed and swing-out designs for easier installation
- Offer up to 350 lb (158.8 kg) static load rating

Wall-Mount Enclosed Systems feature:
- Mountable to wall or backboard
- Enclosed with lockable doors for security and aesthetic appeal
- 19" rack-mount width
- Standard EIA-310-D hole pattern
- Fixed and swing-out designs for easier installation
- Wall-mounted, floor-supported cabinets offer up to 1000 lb (453.6 kg) static load rating

Open Mounting

Wall-Mounted Products

Available in open and enclosed systems, wall-mounted racks and cabinets are an excellent choice to support equipment when floor space is limited or where a small group of users exist.

Open wall-mount racks present easy access to cables and equipment and offer both fixed and swing frames. Swing frames pivot open on one side to provide access to the rear of equipment and are used to support patch panels, while fixed frames hold more weight and are used for network routers and switches.

Enclosed Mounting

Enclosed wall-mount cabinets provide added physical security and are available in vertical, hinged and floor-supported designs. Vertical cabinets hold equipment against the wall to minimize the depth of the cabinet. Use vertical cabinets to support a small group of network users. Hinged cabinets provide access to the front and the rear of equipment. The cabinet body is hinged near the wall and can swing open to access cable terminations and the rear of equipment. Floor-supported cabinets are also hinged, but the cabinet body is supported from the floor with casters. This type of cabinet can hold more weight than wall-mounted hinged cabinets and are used to replace a freestanding rack in small rooms where added equipment security is required.

Product Comparison

Open Systems		
Product	**Purpose**	**Load Rating - lb (kg)**
Universal Swing Gate Wall Rack *Page 4-4*	Feature rich, swing frame used to support network equipment for a medium size group of users	Up to 150 (68.0)
Standard Swing Gate Wall Rack *Page 4-5*	General use, swing frame used to support network equipment for a medium size group of users. UL Listed	Up to 150 (68.0)
EasySwing Wall-Mount Rack *Page 4-6*	Affordable, swing frame used to support network equipment for a small group of users. Ships pre-assembled	Up to 85 (38.6)
Heavy-Duty Wall-Mount Equipment Rack *Page 4-7*	Strong, fixed frame used to support network equipment for a medium size group of users and other heavy equipment	Up to 350 (158.8)
Fixed Wall-Mount Equipment Rack *Page 4-8*	Basic, fixed frame used to support network equipment for a small group of users. UL Listed	Up to 200 (90.7)
Enclosed Systems		
Cube-iT Plus® Wall-Mount Cabinet *Page 4-11*	Feature rich, hinged cabinet used to secure network connections for a medium size group of users. Five-inch deep rear panel allows conduit to terminate at back of cabinet. UL Listed	Up to 200 (90.7)
Cube-iT Plus® Floor-Supported Cabinet *Page 4-13*	Feature rich, hinged and floor-supported wall cabinet replaces floor supported network equipment in small equipment rooms	Up to 1000 (453.6)
ThinLine II Wall-Mount Cabinet *Page 4-16*	Space-saving cabinet used to secure network connections for a small group of users. Ideal for high-traffic areas	Up to 100 (45.4)
Silver Frame Wall-Mount Cabinet *Page 4-18*	Mid-level, hinged cabinet used to secure network connections for a medium size group of users	Up to 150 (68.0)

Universal Swing Gate Rack

This full-featured swing gate rack offers 150 lb (68.0 kg) load handling capacity, easy assembly and built-in cable management capabilities.

- Dual locking latches keep gate securely closed
- Improved cable management with nine cable pass-through ports and six Saf-T-Grip® reusable Velcro® strips
- Gate opens 180°, made of strong, lightweight aluminum
- Easy assembly using included instructions
- Universal 5/8"-5/8"-1/2" (15.9 mm -15.9 mm -12.7 mm) alternating mounting hole pattern drilled on both front and back sides
- Rack-mount spaces are marked and numbered
- (50) #12-24 mounting screws included. Black painted racks ship with black screws; other racks ship with zinc screws
- Supports 150 lb (68.0 kg) of equipment when securely mounted to wall
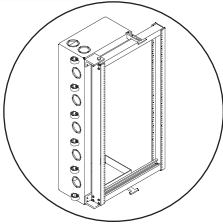
Universal Swing Gate Rack							
Part Number	Usable Dimensions			Overall Dimensions - in (mm)			Shipping Weight lb (kg)
	Height	Width	Depth	Height	Width	Depth	
11347-X19	20U	19"EIA	12 (300)	40.4 (1026)	22.1 (562)	12.8 (325)	24 (10.9)
11348-X19	20U	19"EIA	18 (457)	40.4 (1026)	22.1 (562)	18.8 (478)	29 (13.2)
11347-X23	20U	23"	12 (300)	40.4 (1026)	26.1 (663)	12.8 (325)	25 (11.3)
11348-X23	20U	23"	18 (457)	40.4 (1026)	26.1 (663)	18.8 (478)	30 (13.6)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White.

- Dual hinges open to right or left, stopping in 90° position
- EIA-310-D compliant
- Universal 5/8"-5/8"-1/2" (15.9 mm -15.9 mm -12.7 mm) alternating hole pattern
- Rack-mount spaces are marked and numbered
- Includes (50) #12-24 mounting screws. Black painted racks ship with black screws; other racks ship with zinc screws
- Supports 100 lb (45.4 kg) of equipment in the open and closed position when securely mounted
- Load capacity can be increased to 150 lb (68 kg) with optional Heavy Duty Swing Gate Kit
- Supports single-sided and double-side shelves
- Ships partially assembled with installation hardware

Standard Swing Gate Wall Rack

The Standard Swing Gate Wall Rack provides easy access to the rear of equipment, making it the ideal choice for supporting patch panels and switches.

Standard Swing Gate Wall Rack						
Part Number	Usable Dimensions			Overall Dimensions - in (mm)			Shipping Weight lb (kg)
	Height	Width	Depth*	Height	Width	Depth	
11790-X12	13U	19"EIA	11 (280)	29.1 (739)	21.7 (551)	12.2 (310)	22 (10.0)
11790-X18	13U	19"EIA	17 (430)	29.1 (739)	21.7 (551)	18.2 (462)	24 (10.9)
11790-X25	13U	19"EIA	24 (610)	29.1 (739)	21.7 (551)	25.2 (640)	42 (19.1)
11791-X12	21U	19"EIA	11 (280)	43.1 (1095)	21.7 (551)	12.2 (310)	24 (10.9)
11791-X18	21U	19"EIA	17 (430)	43.1 (1095)	21.7 (551)	18.2 (462)	26 (11.8)
11791-X25	21U	19"EIA	24 (610)	43.1 (1095)	21.7 (551)	25.2 (640)	46 (20.9)
11807-X12	27U	19"EIA	11 (280)	53.6 (1361)	21.7 (551)	12.2 (310)	25 (11.3)
11807-X18	27U	19"EIA	17 (430)	53.6 (1361)	21.7 (551)	18.2 (462)	26 (11.8)
11807-X25	27U	19"EIA	24 (610)	53.6 (1361)	21.7 (551)	25.2 (640)	50 (22.7)
11792-X12	41U	19"EIA	11 (280)	78.1 (1984)	21.7 (551)	12.2 (310)	31 (14.1)
11792-X18	41U	19"EIA	17 (430)	78.1 (1984)	21.7 (551)	18.2 (462)	33 (15.0)
11792-X25	41U	19"EIA	24 (610)	78.1 (1984)	21.7 (551)	25.2 (640)	60 (27.2)
11793-X12	13U	23"	11 (280)	29.1 (739)	25.7 (653)	12.2 (310)	23 (10.4)
11793-X18	13U	23"	17 (430)	29.1 (739)	25.7 (653)	18.2 (462)	25 (11.3)
11793-X25	13U	23"	24 (610)	29.1 (739)	25.7 (653)	25.2 (640)	43 (19.5)
11794-X12	21U	23"	11 (280)	43.1 (1095)	25.7 (653)	12.2 (310)	25 (11.3)
11794-X18	21U	23"	17 (430)	43.1 (1095)	25.7 (653)	18.2 (462)	27 (12.2)
11794-X25	21U	23"	24 (610)	43.1 (1095)	25.7 (653)	25.2 (640)	47 (21.3)
11808-X12	27U	23"	11 (280)	53.6 (1361)	25.7 (653)	12.2 (310)	26 (11.8)
11808-X18	27U	23"	17 (430)	53.6 (1361)	25.7 (653)	18.2 (462)	28 (12.7)
11808-X25	27U	23"	24 (610)	53.6 (1361)	25.7 (653)	25.2 (640)	51 (23.1)
11795-X12	41U	23"	11 (280)	78.1 (1984)	25.7 (653)	12.2 (310)	32 (14.5)
11795-X18	41U	23"	17 (430)	78.1 (1984)	25.7 (653)	18.2 (462)	34 (15.4)
11795-X25	41U	23"	24 (610)	78.1 (1984)	25.7 (653)	25.2 (640)	61 (27.7)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White. Note: Usable Depth is reduced at the top and bottom U to 8" (200 mm) pm -X12; 12" (300 mm on -X18; and 19" (462 mm) on -X25 racks.

Heavy Duty Swing Gate Kit

Increases the load bearing capacity of P/Ns (-X18) and (-X25) Standard Swing Gate Wall Racks to 150 lb (68 kg). Hardware included.

Part Number	Description	Shipping Weight lb (kg)
12795-X01	Two Brackets	4 (1.8)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White..

EasySwing Wall-Mount Rack

The EasySwing Wall-Mount Rack is a cost-effective 19" EIA swing gate rack for mounting network, communications and security equipment in a telecommunications or equipment room where floor space is limited.

- Opens 180° to right or left, locking latch pin secures gate in closed position. Includes lanyard for attachment to rack
- 19" EIA threaded equipment mounting rails
- Includes reusable cable management straps
- Durable all-steel construction
- Ships fully assembled and flat; simply unfold and mount to wall
- Keyhole wall mounting holes with mounting template included on carton
- Includes (12) #12-24 equipment mounting screws. Order 1/4" installation hardware separately
- Supports 85 lb (38.6 kg) of equipment

Ships flat

Easy Swing Wall-Mount Rack							
Part Number	**Usable Dimensions**			**Overall Dims - in (mm)**			**Shipping Weight lb (kg)**
	Height	**Width**	**Depth***	**Height**	**Width**	**Depth**	
13602-X08	11U	19"EIA	6.5 (165)	24.5 (622)	20.3 (516)	8.0 (204)	22 (10.0)
13602-X12	11U	19"EIA	10.5 (266)	24.5 (622)	20.3 (516)	12.0 (305)	24 (10.9)
13602-X18	11U	19"EIA	16.5 (419)	24.5 (622)	20.3 (516)	18.0 (457)	28 (12.7)
13602-X25	11U	19"EIA	23.5 (596)	24.5 (622)	20.3 (516)	25.0 (635)	34 (15.4)
13604-X08	19U	19"EIA	6.5 (165)	38.5 (978)	20.3 (516)	8.0 (204)	27 (12.2)
13604-X12	19U	19"EIA	10.5 (266)	38.5 (978)	20.3 (516)	12.0 (305)	29 (13.2)
13604-X18	19U	19"EIA	16.5 (419)	38.5 (978)	20.3 (516)	18.0 (457)	33 (15.0)
13604-X25	19U	19"EIA	23.5 (596)	38.5 (978)	20.3 (516)	25.0 (635)	38 (17.2)
13608-X12	26U	19"EIA	10.5 (266)	51.5 (1308)	20.3 (516)	12.0 (305)	33 (15.0)
13608-X18	26U	19"EIA	16.5 (419)	51.5 (1308)	20.3 (516)	18.0 (457)	37 (16.8)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White. Note: Usable Depth is reduced at the top and bottom 2U on -X08 and -X12 models and at the top and bottom 3U on -X18 and -X25 models. For planning purposes, reduce Useable Depth by 75% and 50% on the top and bottom 2U of -X08 and -X12 racks. Reduce Usable Depth by 80%, 50% and 25% on the top and bottom 3U of -X18 and -X25 racks.

Corner Cushions

Since wall racks are elevated above the floor and extend away from the wall, bumping into the rack is a safety concern. Corner Cushions cover the exposed leading edges of racks for added protection.

- Flame retardant, non-toxic
- Foam design conforms to ASTM standards for safety surfacing material

Includes double-sided adhesive squares for easy installation

Part Number	**Description**	**Shipping Weight lb (kg)**
12858-001	Corner Cushions, Set of 4	1 (0.5)

Heavy Duty Wall-Mount Equipment Rack

Use the Heavy Duty Wall-Mount Equipment Rack to hold up to 350 lb (158.8 kg). The 24" (610 mm) depth allows larger equipment to be wall-mounted. Quick and easy assembly has been engineered in to save you valuable installation time. Includes assembly hardware and mounting 1/4" x 2" lag bolts. Sold individually.

- 12-24 roll-formed threads on 5/8"-5/8"-1/2" (15.9 mm -15.9 mm -12.7 mm) spacing, both sides
- Rack-mount spaces are marked and numbered
- Made of high-strength, lightweight aluminum
- Includes (50) #12-24 mounting screws. Black painted racks ship with black screws; other racks ship with zinc screws
- Holds up to 350 lb (158.8 kg) when securely mounted to wall or backboard

Heavy Duty Wall-Mount Equipment Rack							
Part Number	Usable Dimensions			Overall Dims - in (mm)			Shipping Weight
	Height	Width	Depth	Height	Width	Depth	
15320-X18	20U	19"EIA	18 (457)	41.2 (1046)	23.0 (584)	18.0 (457)	22 (10.0)
15320-X24	20U	19"EIA	24 (610)	41.2 (1046)	23.0 (584)	24.0 (610)	27 (12.2)
15321-X18	40U	19"EIA	18 (457)	76.2 (1935)	23.0 (584)	18.0 (457)	28 (12.7)
15321-X24	40U	19"EIA	24 (610)	76.2 (1935)	23.0 (584)	24.0 (610)	32 (14.5)
15322-X18	20U	23"	18 (457)	41.2 (1046)	27.0 (686)	18.0 (457)	23 (10.4)
15322-X24	20U	23"	24 (610)	41.2 (1046)	27.0 (686)	24.0 (610)	29 (13.2)
15323-X18	40U	23"	18 (457)	76.2 (1935)	27.0 (686)	18.0 (457)	29 (13.2)
15323-X24	40U	23"	24 (610)	76.2 (1935)	27.0 (686)	24.0 (610)	34 (15.4)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White.

Extra-Capacity, Flush Mounted Wall Bracket

This rack is used to mount up to 6U of rack-mount equipment flush to the wall. Ideal for small or tight spaced installations. Supports 150 lb (68 kg). Mounting hardware not included. Made of strong, lightweight aluminum.

Part Number	Description H x W (in)
11754-X19	6U x 19 Wall Bracket

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White.

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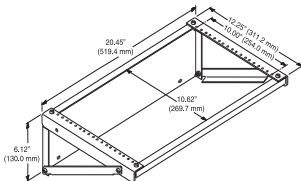
Fixed Wall–Mount Equipment Rack

The Fixed Wall-Mount Equipment Rack is a sturdy platform for wall mounting equipment.
- EIA-310-D compliant equipment mounting system, punched with the Universal alternating 5/8"-5/8"-1/2"(15.9 mm -15.9 mm -12.7 mm) hole pattern
- Rack-mount spaces are marked and numbered, tapped with #12-24 roll-formed threads
- Includes (50) #12-24 equipment mounting screws. Black painted racks ship with black screws; other racks ship with zinc screws
- Supports single-sided and double-sided shelves
- Supports 200 lb (90.7 kg) of equipment when securely mounted to wall or backboard using all eight leg mounting holes

Fixed Wall-Mount Equipment Rack							
Part Number	Usable Dimensions			Overall Dims - in (mm)			Shipping Weight lb (kg)
	Height	Width	Depth	Height	Width	Depth	
11960-X06	13U	19"EIA	6 (150)	27.4 (696)	22.4 (569)	6.6 (168)	9 (4.1)
11960-X12	13U	19"EIA	12 (300)	27.4 (696)	22.4 (569)	12.6 (320)	12 (5.4)
11960-X18	13U	19"EIA	18 (457)	27.4 (696)	22.4 (569)	18.6 (472)	13 (5.9)
11961-X06	21U	19"EIA	6 (150)	41.4 (1052)	22.4 (569)	6.6 (168)	10 (4.5)
11961-X12	21U	19"EIA	12 (300)	41.4 (1052)	22.4 (569)	12.6 (320)	13 (5.9)
11961-X18	21U	19"EIA	18 (457)	41.4 (1052)	22.4 (569)	18.6 (472)	15 (6.8)
11962-X06	41U	19"EIA	6 (150)	76.4 (1941)	22.4 (569)	6.6 (168)	15 (6.8)
11962-X12	41U	19"EIA	12 (300)	76.4 (1941)	22.4 (569)	12.6 (320)	16 (7.3)
11962-X18	41U	19"EIA	18 (457)	76.4 (1941)	22.4 (569)	18.6 (472)	20 (9.1)
11963-X06	13U	23"	6 (150)	27.4 (696)	26.4 (671)	6.6 (168)	10 (4.5)
11963-X12	13U	23"	12 (300)	27.4 (696)	26.4 (671)	12.6 (320)	11 (5.0)
11963-X18	13U	23"	18 (457)	27.4 (696)	26.4 (671)	18.6 (472)	13 (5.9)
11964-X06	21U	23"	6 (150)	41.4 (1052)	26.4 (671)	6.6 (168)	11 (5.0)
11964-X12	21U	23"	12 (300)	41.4 (1052)	26.4 (671)	12.6 (320)	12 (5.4)
11964-X18	21U	23"	18 (457)	41.4 (1052)	26.4 (671)	18.6 (472)	15 (6.8)
11965-X06	41U	23"	6 (150)	76.4 (1941)	26.4 (671)	6.6 (168)	16 (7.3)
11965-X12	41U	23"	12 (300)	76.4 (1941)	26.4 (671)	12.6 (320)	17 (7.7)
11965-X18	41U	23"	18 (457)	76.4 (1941)	26.4 (671)	18.6 (472)	19 (8.6)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White

Corner Cushions listed on Page 4-6.

Wall–Mount Rack With Enclosure

Enjoy the benefits of a wall-mount rack solution with the added protection and security of an enclosure at an attractive price. As always, CPI quality is built into this attractive, economical product. So, whenever floor space is at a premium and a full size rack is not required, use the CPI Wall-Mount Rack with Enclosure. Available in two sizes with aluminum or plexiglass doors. Ships fully assembled with mounting instructions and hardware.

Rack Features:

- Strong, lightweight aluminum construction provides maximum strength
- Includes wall-mounting 1/4" x 2" lag bolts and 50 #12-24 mounting screws. Black painted racks ship with black screws; other racks ship with zinc screws
- 19"EIA, Universal 5/8"-5/8"-1/2" (15.9 mm x 15.9 mm x 12.7 mm) hole pattern allows for a wide variety of mounting options
- Supports up to 200 lb (90.7 kg)

Enclosure Features:

- Strong, lightweight aluminum construction
- Vented top and bottom for optimum airflow
- Convenient cable access via removable two top and two bottom cable pass-through ports, 1.6" x 3.5" (41 mm x 89 mm)
- Lockable door is easily installed to open from left or right
- Optional Fan Kit available for 18"D (460 mm) enclosure

Wall-Mount Rack With Enclosure							
Part Number	Usable Dimensions			Overall Dims - in (mm)			Shipping Weight lb (kg)
	Height	Width	Depth	Height	Width	Depth	
12264-X16	12U	19"EIA	12 (300)	28.5 (724)	24.5 (622)	16.1 (409)	44 (20.0)
12324-X22	20U	19"EIA	18 (457)	42.1 (1069)	24.5 (622)	22.1 (561)	60 (27.2)
Includes Door With Tinted Plexiglass Window							
12265-X16	12U	19"EIA	12 (300)	28.5 (724)	24.5 (622)	16.1 (409)	44 (20.0)
12325-X22	20U	19"EIA	18 (457)	42.1 (1069)	24.5 (622)	22.1 (561)	60 (27.2)

X=color: 1=Gray, 2=Computer Beige, 7=Black.

Flush Mounted Wall Bracket

5.75"
(146.1 mm)
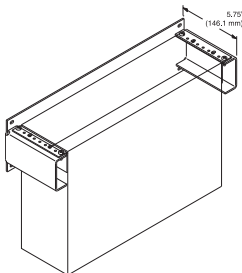
This bracket makes it easy to mount up to two 1U or a single 2U piece of rack-mount equipment (1U=1.75", 44.45 mm) flush to a wall. Ideal for small or tight spaced installations. Mounting hardware not included. Made of strong, lightweight aluminum.
- Supports up to 75 lb (34 kg)

Note: This wall bracket is not rack-mountable.

Part Number	
19" Rack	23" Rack
11583-X19	11583-X23

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White

WALL-MOUNT RACK ACCESSORIES

2U

12291-X01

2.19" (55.6 mm)

7.00" (177.8 mm)
10.00" (254.0 mm)

3U

40074-X00

5.19" (131.8 mm)

12.00" (304.8 mm)
15.00" (381.0 mm)

11755-003

Shelves

• 15" (380 mm) shelf mounts in 18"D (460 mm) racks only

Part Number	Description	Shipping Weight lb (kg)
10"D (250 mm) Shelf, H x W - in (mm)		
12291-X01	2U x 17.25 (438.2), Supports 40 lb (18.1 kg)	4 (1.8)
15"D (380 mm) Shelf, H x W - in (mm)		
40074-X00	3U x 17.25 (438.2), Supports 50 lb (22.7 kg)	6 (2.7)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White

Fan/Filter Kit

Fan pressurizes enclosure, forcing warmer air out top vents. Fan is rated for 200 CFM and has an attached 5'6"L (1.6 m) power cord with NEMA 5-15P plug (37 dB noise level).

Part Number	Description	Shipping Weight lb (kg)
11755-003	200 CFM, 115 VAC, 50/60 Hz, NEMA 5-15P	3 (1.4)
11222-001	Replacement Filters, Set of 4	1 (0.5)

1U

UL LISTED

Power Strip

Streamlined, durable steel body is fitted with bracket for mounting.
• 17"L (430 mm), uses 1U, black
• Circuit breaker, six or eight outlets, non-surge or surge-protected, 10' (3 m) cord

Part Number	AMP	Plug Type	Outlets	Surge Protected
12816-701	15A	NEMA 5-15P	(8) 5-15R	No
12816-702	15A	NEMA L5-15P	(8) 5-15R	No
12816-703	15A	NEMA 5-15P	(6) 5-15R	Yes
12816-704	15A	NEMA L5-15P	(6) 5-15R	Yes
12816-705	20A	NEMA 5-20P	(8) 5-20R	No
12816-706	20A	NEMA L5-20P	(8) 5-20R	No
12816-707	20A	NEMA 5-20P	(6) 5-20R	Yes
12816-708	20A	NEMA L5-20P	(6) 5-20R	Yes

See Section 1 for additional shelf options.
See Section 7 for additional power options.

CPI: 800-834-4969

Wall-Mounted
Cube-iT Plus

Wall-Mounted, Floor-Supported
Cube-iT Plus Cabinet

CUBE-iT PLUS® Cabinet System

The patented Cube-iT Plus Cabinet System is a series of wall-mounted and floor-supported telecommunications enclosures designed to secure communications equipment for a cross connect. The cabinets are copper and fiber ready and feature easy access to the front or rear of the cabinet.

Both the wall-mounted and floor-supported cabinets share these features:
• Swing-out cabinet body enables easy access to the rear of installed equipment
• 5"D (130 mm) rear panel is pre-punched with knock-outs for 1/2", 3/4", 2-1/2" and 3" conduit, and has cable tie points and attachment points for accessory rack-mount brackets
• Cabinet body includes one pair of adjustable 19" EIA threaded equipment rails
• Cabinet body is vented. Vents will accept accessory fan
• Front door design incorporates rounded edges and corners to improve safety in public access spaces
• A locking front door and rear panel provide security
• Wide variety of accessories are available

Wall-Mounted Cube-iT Plus

Only Wall-Mounted Cabinets are UL Listed.

CUBE-iT Wall-Mounted Cabinet Specifications
24"H, 36"H & 48"H Cabinets (610 mm, 910 mm & 1220 mm)

• Patented hinge design allows the installer to remove the rear panel for easy installation
• For indoor use only, not for use in air-handling spaces
• Usable heights: 24"H (610 mm) = 12U; 36"H (910mm) = 18U; 48"H (1220 mm) = 26U
• Includes one pair of 19"W adjustable (front-to-rear) mounting rails with Universal 5/8"-5/8"-1/2" (15.9 mm-15.9 mm -12.7 mm) alternating hole pattern. EIA-310-D Compliant; front rails are threaded for #12-24 mounting screws
• Cable knockouts include: (4) 1/2" or 3/4", two on top, two on bottom; (8) 2-1/2" or 3", four on top, four on bottom; (4) edge-protection grommets are included for 3" knockouts
• Constructed of riveted and bolted steel with epoxy-polyester hybrid powder coat paint finish. Equipment mounting rails are aluminum
• Ships fully assembled with mounting hardware, 50 each #12-24 screws and installation template
• UL Listed to support up to 200 lb (90.7 kg)

Depths for Wall-Mounted Cabinet in (mm)				
Cabinet Depth	13 (330)	18 (460)	24 (610)	30 (760)
Cabinet Body Depth	7.2 (18)	12.2 (310)	18.2 (462)	24.2 (615)
Maximum Usable Depth	11.8 (300)	16.8 (427)	22.8 (579)	28.8 (732)

CUBE-iT PLUS® CABINET SYSTEM

24"H (610 mm) Cube-iT Plus - Wall Mounted					
Part Number & Color		Door Style	Width in (mm)	Depth in (mm)	Shipping Weight lb (kg)
Computer Beige	Black				
13265-224	13265-724	Metal Door	24 (610)	13 (330)	70 (31.8)
13275-224	13275-724	Plexiglass Door	24 (610)	13 (330)	67 (30.4)
11890-224	11890-724	Metal Door	24 (610)	18 (460)	78 (35.4)
11901-224	11901-724	Plexiglass Door	24 (610)	18 (460)	75 (34.0)
11840-224	11840-724	Metal Door	24 (610)	24 (610)	87 (39.5)
11900-224	11900-724	Plexiglass Door	24 (610)	24 (610)	84 (38.1)
11996-224	11996-724	Metal Door	24 (610)	30 (760)	97 (44.0)
12419-224	12419-724	Plexiglass Door	24 (610)	30 (760)	94 (42.6)
Extra Mounting Rails, 1 pair					
12787-524		L-Shaped, Threaded, 12U			3 (1.4)

36"H (910 mm) Cube-iT Plus - Wall Mounted					
Part Number & Color		Door Style	Width in (mm)	Depth in (mm)	Shipping Weight lb (kg)
Computer Beige	Black				
13265-236	13265-736	Metal Door	24 (610)	13 (330)	89 (40.4)
13275-236	13275-736	Plexiglass Door	24 (610)	13 (330)	83 (37.6)
11890-236	11890-736	Metal Door	24 (610)	18 (460)	99 (44.9)
11901-236	11901-736	Plexiglass Door	24 (610)	18 (460)	93 (42.2)
11840-236	11840-736	Metal Door	24 (610)	24 (610)	111 (50.3)
11900-236	11900-736	Plexiglass Door	24 (610)	24 (610)	105 (47.6)
11996-236	11996-736	Metal Door	24 (610)	30 (760)	124 (56.2)
12419-236	12419-736	Plexiglass Door	24 (610)	30 (760)	118 (53.5)
Extra Mounting Rails, 1 Pair					
12787-536		L-Shaped, Threaded, 18U			4 (1.8)

48"H (1220 mm) Cube-iT Plus - Wall Mounted					
Part Number & Color		Door Style	Width in (mm)	Depth in (mm)	Shipping Weight lb (kg)
Computer Beige	Black				
13265-248	13265-748	Metal Door	24 (610)	13 (330)	108 (49.0)
13275-248	13275-748	Plexiglass Door	24 (610)	13 (330)	101 (45.8)
11890-248	11890-748	Metal Door	24 (610)	18 (460)	121 (54.9)
11901-248	11901-748	Plexiglass Door	24 (610)	18 (460)	114 (51.7)
11840-248	11840-748	Metal Door	24 (610)	24 (610)	135 (61.2)
11900-248	11900-748	Plexiglass Door	24 (610)	24 (610)	128 (58.1)
11996-248	11996-748	Metal Door	24 (610)	30 (760)	151 (68.5)
12419-248	12419-748	Plexiglass Door	24 (610)	30 (760)	143 (64.9)
Extra Mounting Rails, 1 Pair					
12787-548		L-Shaped, Threaded, 26U			5 (2.3)

Floor-Mount Foot Kit		
13483-001	Foot Kit for 24"D (610 mm) & 30"D (760 mm) Cabinets Only	5 (2.3)

Note: Foot Kit allows front door and rear panel to open when cabinet is placed on the floor, shelf or other surface.

CPI: 800-834-4969

Wall-Mounted, Floor-Supported Cube-iT Plus Cabinet

CUBE-iT Wall-Mounted, Floor-Supported Cabinet Specifications

60"H & 72"H Cabinets (1520 mm & 1830 mm)

- Cabinet body features lockable front door and swing-out rear panel for easy equipment access; cabinet body is supported by an attached wheel base
- For indoor use only, not for use in air-handling spaces
- Usable heights: 60"H (1520 mm) = 33U; 72"H (1830 mm) = 40U
- Wheeled base adds an additional 6" (150 mm) to height
- Includes one pair of 19"W adjustable (front-to-rear) mounting rails with Universal 5/8"-5/8"-1/2" (15.9 mm -15.9 mm -12.7 mm) alternating hole pattern; EIA-310-D Compliant
- Includes cable management space for vertical cable manager accessory
- Cable knockouts include: (4) 1/2" or 3/4", two on top, two on bottom; (10) 2-1/2" or 3", five on top, five on bottom; (5) edge-protection grommets are included for 3" knockouts
- Constructed of riveted and bolted steel with epoxy-polyester hybrid powder coat paint finish; equipment mounting rails and supports are aluminum
- Ships fully assembled with mounting hardware
- Support up to 1000 lb (453.6 kg)

60"H (1520 mm) Cube-iT Plus - Wall Mounted & Floor-Supported					
Part Number & Color		Door Style	Width in (mm)	Depth in (mm)	Shipping Weight lb (kg)
Computer Beige	Black				
13491-260	13491-760	Metal Door	27.3 (693)	18 (460)	201 (91.2)
13494-260	13494-760	Plexiglass Door	27.3 (693)	18 (460)	192 (87.1)
13492-260	13492-760	Metal Door	27.3 (693)	24 (610)	221 (100.2)
13495-260	13495-760	Plexiglass Door	27.3 (693)	24 (610)	212 (96.2)
13493-260	13493-760	Metal Door	27.3 (693)	30 (760)	246 (111.6)
13496-260	13496-760	Plexiglass Door	27.3 (693)	30 (760)	236 (107.0)
Extra Mounting Rails, 1 pair					
13276-260	13276-760	L-Shaped, Threaded, 33U			12 (5.4)

72"H (1830 mm) Cube-iT Plus - Wall Mounted & Floor-Supported					
Part Number & Color		Door Style	Width in (mm)	Depth in (mm)	Shipping Weight lb (kg)
Computer Beige	Black				
13491-272	13491-772	Metal Door	27.3 (693)	18 (460)	224 (101.6)
13494-272	13494-772	Plexiglass Door	27.3 (693)	18 (460)	212 (96.2)
13492-272	13492-772	Metal Door	27.3 (693)	24 (610)	247 (112.0)
13495-272	13495-772	Plexiglass Door	27.3 (693)	24 (610)	235 (106.6)
13493-272	13493-772	Metal Door	27.3 (693)	30 (760)	274 (124.3)
13496-272	13496-772	Plexiglass Door	27.3 (693)	30 (760)	262 (118.8)
Extra Mounting Rails, 1 pair					
13276-272	13276-772	L-Shaped, Threaded, 40U			14 (6.4)

Depths for Wall-Mounted, Floor-Supported Cabinet – in (mm)			
Cabinet Depth	18 (460)	24 (610)	30 (760)
Cabinet Body Depth	12.2 (310)	18.2 (462)	24.2 (615)
Maximum Usable Depth	16.8 (427)	22.8 (579)	28.8 (732)

Cube-iT PLUS® Accessories

Fan Kit

Attaches over the vents in the side of the Cube-iT Plus Cabinet. Draws air into the cabinet, pressurizing the cabinet and forcing warm air out the side vents. Fan Filter Kit reduces dust and can be mounted internally for security or externally for convenience; filter kit and filters sold separately. Includes mounting hardware and cable ties. Available in 115 VAC, 50/60 Hz, 37 dB Fan with 5'L (1.5 m) attached power cord and NEMA 5-15 plug; and 230 VAC, 50/60 Hz, 37 dB Fan with 5'L (1.5 m) attached power cord and NEMA 6-15P plug.

Light

Light attaches to the bottom, top or side of cabinet and provides 8 Watts of fluorescent light with on/off switch. 115 VAC with 6' (1.8 m) attached power cord and NEMA 5-15P plug. 1U rack-mount version also available.

Termination Block Panel

Attaches to rear panel of Cube-iT Plus Cabinet. Supports six 110D-style 100-pair blocks or four 66-style blocks/H89D brackets. Clear finish.

Vertical Cable Manager

Vertical Cable Managers can be used in 60"H (1520 mm) and 72"H (1830 mm) cabinets only. Openings align with rack-mount units, 2.7"W x 5"D (69 mm x 130 mm) usable interior space. Adjusts front-to-rear within cabinet; fingers manage patch cords. Must be installed before rack-mount equipment.

Horizontal Wire Management Bar

Attaches to the rear of the equipment mounting rail to secure premise cables after termination on patch panels. Includes mounting hardware and 12 cable ties.

12804-701

12805-X01

12803-701

13287-501

13288-501

Vertical Cable Managers listed here are for Cube-iT Plus Cabinets only.
13485-760; for 60"H (1520 mm)
13485-772; for 72"H (1830 mm)

11837-X01

Part Number	Description	Shipping Weight lb (kg)
12804-701	Fan Kit, 100 CFM, 115 VAC, 50/60 Hz, NEMA 5-15P	4 (1.8)
12804-702	Fan Kit, 100 CFM, 230 VAC, 50/60 Hz, NEMA 6-15P	4 (1.8)
12805-X01	Filter Kit for Fan	4 (1.8)
12806-001	Filters for Fan, Box of 6	1 (0.5)
12803-701	Light	3 (1.4)
13287-501	Termination Block Panel 11.5 x 19 (292 x 480 mm), 66 Block	4 (1.8)
13288-501	Termination Block Panel 11.5 x 19 (292 x 480 mm), 110 Block	4 (1.8)
13485-760	Cable Manager for 60 (1520) Cabinet	9 (4.1)
13485-772	Cable Manager for 72 (1830) Cabinet	10 (4.5)
11837-X01	Horizontal Wire Management Bar	2 (0.9)

X=color: 2=Computer Beige, 7=Black

Cube-iT PLUS® Accessories
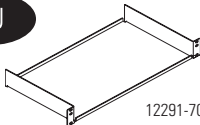
45˚ Mounting Bracket

Attaches to rear panel to create a 3U x 19" EIA rack-mount space for patch panels. Includes installation hardware.

90˚ Mounting Bracket

Attaches to rear panel to create a 2U x 19" EIA vertical rack-mount space. Includes installation hardware.

Vertical Mounting Bracket

Attaches to the equipment mounting rail and creates a 2U x 19" EIA or 3U x 19" vertical rack-mount space. Includes installation hardware. Supports 75 lb (34 kg).

Power Strip

Attaches to the bottom, top or side; select straight or locking plug style. 115 VAC 15 Amp or 20 Amp, 8 outlets with 10'L (3 m) power cord and circuit breaker. Optional surge-protected models with 6 outlets. Includes bracket and installation hardware.

Shelves

Shelves mount in Cube-iT cabinets.

Part Number	Description	Shipping Weight lb (kg)
12796-501	45˚ Mounting Bracket, 3U, 1 Pair, Clear	3 (1.4)
13285-501	90˚ Mounting Bracket, 2U, 1 Pair, Clear	3 (1.4)
13286-501	Vertical Mounting Bracket, 2U, 1 Pair, Clear	3 (1.4)
13286-502	Vertical Mounting Bracket, 3U, 1 Pair, Clear	3 (1.4)
12820-701	15 Amp Power Strip, NEMA 5-15P	4 (1.8)
12820-702	15 Amp Power Strip, NEMA L5-15P	4 (1.8)
12820-703	15 Amp Power Strip, Surge-Protected, NEMA 5-15P	4 (1.8)
12820-704	15 Amp Power Strip, Surge-Protected, NEMA L5-20P	4 (1.8)
12820-705	20 Amp Power Strip, NEMA 5-20P	4 (1.8)
12820-706	20 Amp Power Strip, NEMA L5-20P	4 (1.8)
12820-707	20 Amp Power Strip, Surge-Protected, NEMA 5-20P	4 (1.8)
12820-708	20 Amp Power Strip, Surge-Protected, NEMA L5-20P	4 (1.8)
12291-X01	10"D (250 mm) Shelf 2U x 17.25 (438.2), Holds 40 lb (18.1 kg)	4 (1.8)
40074-X00	15"D (380 mm) Shelf 3U x 17.25 (438.2), Holds 50 lb (22.7 kg)	6 (2.7)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White.

Note: Surge-Protected power strips have 6 outlets; other power strips have 8 outlets.

3U

12796-501

2U

2U

13285-501

13286-501

3U

13286-502

UL LISTED

12820-701

2U

12291-701

3U

40074-700

ThinLine II Wall-Mount Cabinet

The space-saving ThinLine II safely secures 19" rack-mount network equipment with minimal intrusion into the room — perfect for tight areas and high-traffic places, such as classrooms and retail stores.

The ThinLine II maximizes interior space using a distinctive equipment mounting rail system. Individual rails can be easily rotated for horizontal or vertical mounting and then bolted into place making patch panel punchdown easier. The cabinet can hold a server, switch, horizontal cable manager, patch panel, fiber service loop and fiber-optic patch panel — with room to accommodate additional mounting needs.

An easy-to-remove top panel slides in and out of position (without tools) using a spring button release. In addition, the 26"H (660 mm) cabinet can be mounted so that the removable "top" panel becomes a side panel.

A 4" x 6" (100 mm x 150 mm) opening in the rear of the cabinet and knockouts sized 3/4" and 1-1/2" allow cable entry and exit. Multiple cable tie-down points in rear panel and included Saf-T-Grip® straps secure cables safely.

- Door features rounded edges and corners and can be mounted to open from either right or left
- Removable top panel provides direct access to equipment without disturbing other devices
- Multiple sets of knockouts allow flexibility in cable organization
- Louvers and fan accessory provide ventilation
- Cabinet includes a 2" x 4" (50 mm x 100 mm) junction box to hold an optional surge-suppressed duplex outlet, eliminating the need for a power strip
- Made of steel
- Ships fully assembled with mounting hardware
- Static load rating is 100 lb (45.4 kg)
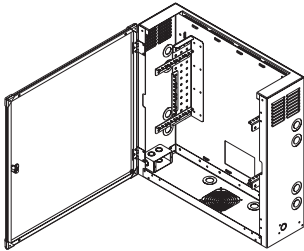
ThinLine II can hold a server, switch, horizontal cable manager, patch panel, fiber service loop and fiber-optic patch panel — with room to accommodate additional mounting needs.

Part Number	Description H x W x D in (mm)	Shipping Weight lb (kg)
26"H (660 mm) ThinLine II		
13050-X11	26 x 26 x 5, 2U, (660 x 660 x 130)	47 (21.3)
13050-X12	26 x 26 x 8.5, 4U, (660 x 660 x 216)	54 (24.5)
13050-X13	26 x 26 x 12, 6U, (660 x 660 x 300)	60 (27.2)
36"H (910 mm) ThinLine II		
13050-X21	36 x 26 x 5, 2U, (910 x 660 x 130)	60 (27.2)
13050-X22	36 x 26 x 8.5, 4U, (910 x 660 x 216)	68 (30.8)
13050-X23	36 x 26 x 12, 6U, (910 x 660 x 300)	76 (34.5)

X=color: 1=Gray, Computer Beige, 7=Black

Fiber Slack Manager Panel

The Fiber Slack Manager Panel provides both fiber slack management and a mounting surface for a small fiber manager or fiber-optic patch panel. Secured under the outermost mounting units, the panel takes up no mounting space within the cabinet. It attaches to the cabinet with standard #12-24 rack screws (included in the ThinLine II Cabinet's hardware kit).

Part Number	Description	Color	Shipping Weight lb (kg)
12955-219	19" Rack-Mount	Computer Beige	2 (0.9)
12955-719	19" Rack-Mount	Black	2 (0.9)

Surge-Suppressed Duplex Receptacle

The cabinet can be easily configured with two surge-suppressed outlets, eliminating the need for a power strip. ThinLine II includes an electrical junction box that can be mounted on either side of the cabinet. A 1/2" or 3/4" knockout is provided.

Part Number	Description	Shipping Weight lb (kg)
12934-001	Receptacle, 125V, 15A	2 (0.9)

Intelligent Fan Kit

The ThinLine II Intelligent Fan Kit uses a solid state temperature control to vary fan speed from an ultra quiet low speed at low air temperature through increasingly higher speeds as temperature rises.

13051-001

Part Number	Description	Shipping Weight lb (kg)
13051-001	115 VAC, 60 Hz, 4U/6U Cabinets	2 (0.9)
13051-002	115 VAC, 60 Hz, 2U Cabinet	2 (0.9)

13051-001 Intelligent Fan Specifications:

Minimum Fan Speed (air temp 77° or less)	Maximum Fan Speed (air temp 104° or greater)
65 CFM (Free Air)	120 CFM (Free Air)
34 dB (Noise Level)	51 dB (Noise Level)

13051-002 Intelligent Fan Specifications:

Minimum Fan Speed (air temp 77° or less)	Maximum Fan Speed (air temp 113° or greater)
36 CFM (Free Air)	49 CFM (Free Air)
28 dB (Noise Level)	33 dB (Noise Level)
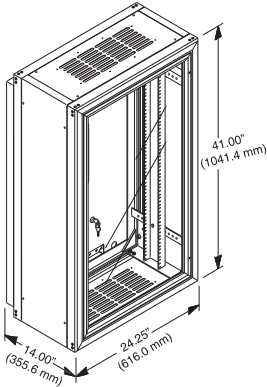
Silver Frame Wall-Mount Cabinet

The Silver Frame Wall-Mount Cabinet provides an elegant and premium quality enclosure for protecting and securing your rack-mount equipment. Uses less space than conventional floor racks or enclosures. Unique dual-locking hinge design provides convenient front and rear access. With the 5.5" x 10.3" (140 mm x 262 mm) cable pass-through port in the center of the back panel, it is possible to route cable through the wall directly into the mounted cabinet for a more secure installation.

Rack-mounting surface depth is adjustable front to back 7-1/2" (191 mm) for 14" (360 mm) depth and 16-1/2" (419 mm) for 24" (610 mm) depth. 36" (910 mm) usable mounting height (20U). Universal 5/8"-5/8"-1/2" (15.9 mm -15.9 mm -12.7 mm) alternating hole pattern on both front and back sides.

- Unique dual locking hinge design
- Strong, lightweight aluminum construction
- 19" rack width
- Vented top and bottom for optimum airflow
- Adjustable rack-mounting surface
- Includes (50) #12-24 mounting screws. Black painted units ship with black screws; computer beige units ship with zinc screws
- Installation hardware included: 1/4" lag screw for backboard or stud mounting and Saf-T-Grip® Cable Management Straps for cable routing
- Ships fully assembled
- Supports up to 150 lb (68 kg)

Part Number	Description H x W x D in (mm)	Shipping Weight lb (kg)
Silver Frame Cabinet w/Smoked Plexiglass Doors		
11680-X19	41 x 24.3 x 14 (1040 x 617 x 360)	61 (27.7)
11685-X19	41 x 24.3 x 24 (1040 x 617 x 610)	71 (32.2)
Silver Frame Cabinet with Solid Metal Doors		
12680-X19	41 x 24.3 x 14 (1040 x 617 x 360)	61 (27.7)
12685-X19	41 x 24.3 x 24 (1040 x 617 x 610)	71 (32.2)

X=color: Computer Beige, 7=Black

Fan/Filter Kit

Fan pressurizes enclosure, forcing warmer air out top vents. Fan is rated for 200 CFM and has an attached 5'6"L (1.6 m) power cord with NEMA 5-15P plug (37 dB noise level).

Part Number	Description	Shipping Weight lb (kg)
11755-003	200 CFM, 115 VAC, 50/60 Hz, NEMA 5-15P	3 (1.4)
11222-001	Replacement Filters, Set of 4	1 (0.5)

CABLE MANAGEMENT PRODUCTS

Cable Managers & Accessories

CABLE MANAGEMENT PRODUCTS

Connecting switches and servers with the right cabling is crucial to maximizing uptime, especially during system changes and updates. That is why it is important to keep your system organized with CPI Cable Management Products, an end-to-end solution that makes it easier to identify, access and sort out all the cables and cords in your network. CPI's Cable Management Products help untangle any configuration and increase cable performance with systems that run within, between and around racks and cabinets. Rack-mount cable managers provide additional support for cable bundles by defining cable pathways, a critical step in achieving better cable organization.

To adapt to your data center needs, CPI Cable Management Products have been designed in a large variety of widths, heights and depths. They are available in several horizontal and vertical sections of various dimensions, utilizing rack-mount unit finger guides and/or rings, and feature door panels to hide and secure cable.

CPI Cable Management Products feature:
- High-quality construction and design
- Proper cable bend radii to ensure maximum performance of data transmission
- Decreased potential cable damage
- Easy cable moves, adds and changes
- Prevention of tangled cords
- Meets ANSI/TIA/EIA installation guidelines for Category 5e/6/6a and fiber cables
- Provides for a professional, attractive installation

Featured Product:

Additional standard finishes (Glacier White) are available for most Cable Managers and Accessories.

Patented
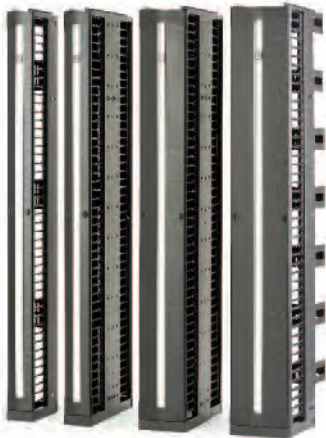
Evolution® Cable Management

CPI Evolution® Cable Management provides an engineered solution for managing high-density cabling applications on open two-post and four-post CPI Rack Systems, delivering increased performance to match the demands of data center applications. Featuring easy-to-use doors with styling that complements the CPI TeraFrame® Family of Cabinets; Evolution Cable Management provides innovative interior features to help maximize the capacity and utility of vertical and horizontal cable management.

Evolution Vertical Cable Manager:
Use vertical managers on the sides of racks to manage premise cables, patch cords and jumper cords. Vertical managers include plastic T-shaped cable guides with openings that align with each rack-mount unit space on the rack. Rounded edges on the cable guides, and the top of the manager protect cables as they enter or exit the interior storage space. On double-sided managers, Movable Mid-Sections allow personalized placement of Cable Distribution Spools and other cable management accessories to effectively route patch cords. Use accessory Fiber Segregation Kits to create a dedicated internal channel for fiber cabling or accessory Cable Lashing Bar Kits to anchor premise cables closer to the Movable Mid-Sections to increase capacity. The Movable Mid-Sections can also be positioned for a 50/50, 40/60 or 60/40 front/rear split of the internal cable management space to match cabling requirements. The door is secured by a spring-loaded two-point latch controlled by a single knob; simply turn the knob on the right or left side of the door and pull to swing the door open or turn both knobs to remove the door. The door attaches to the base and top of the cable manager, not the cable guides, and opens wider than previous designs for better access to cables. Vertical managers are available in single-sided, double-sided and combination configurations in five widths to match cabling requirements.

Features:

- Improved T-shaped cable guides decrease deflection when loaded with cables, especially important when deploying Cat 6a cable
- Rounded edges on the cable guides protect cables as they enter and exit the storage space
- Door opens to the right or left with a single knob
- Rigid trough minimizes movement when installed on the end of a row of racks; solid construction with a full rectangular base supports large bundles of heavy cables
- Openings in the back of the single-sided and middle of the double-sided managers allow cables to pass easily front to rear
- Double-sided managers have Movable Mid-Sections that allow for flexibility in the volume of cable management space provided in the front and rear portions of the cable manager
- Various cable management accessories are available to divide the interior space and manage cable slack

Patented

Single-Sided Vertical Cable Manager also available in 6'H (1.8 m) and 8'H (2.4 m)

Evolution g1 Single-Sided Vertical Cable Manager

- Rigid cable manager with 1U spaced plastic T-shaped cable guides (fingers)
- Three Fixed Accessory Panels at the back of the cable manager
- Three large Cable Distribution Spools included with 10", 12" and 15" (250 mm, 300 mm and 380 mm) wide managers

Part Number & Finish		7'H (2.1 m) W x D - in (mm)	Shipping Weight lb (kg)
Black	Glacier White		
35511-703	35511-E03	6 x 13.2 (150 x 335)	57 (25.9)
35512-703	35512-E03	8 x 13.2 (200 x 335)	61 (27.7)
35513-703	35513-E03	10 x 13.2 (250 x 335)	67 (30.4)
35514-703	35514-E03	12 x 13.2 (300 x 335)	73 (33.1)
35515-703	35515-E03	15 x 13.2 (380 x 335)	83 (37.6)

Patented

Double-Sided Vertical Cable Manager also available in 6'H (1.8 m) and 8'H (2.4 m)

Evolution g2 Double-Sided Vertical Cable Manager

- Rigid cable manager with 1U spaced plastic T-shaped cable guides (fingers)
- Three Movable Mid-Sections; creates 50/50, 60/40 or 40/60 interior split
- Three large Cable Distribution Spools included with 10", 12" and 15" (250 mm, 300 mm and 380 mm) wide managers

Part Number & Finish		7'H (2.1 m) W x D - in (mm)	Shipping Weight lb (kg)
Black	Glacier White		
35521-703	35521-E03	6 x 24.5 (150 x 622)	94 (42.6)
35522-703	35522-E03	8 x 24.5 (200 x 622)	101 (45.8)
35523-703	35523-E03	10 x 24.5 (250 x 622)	110 (49.9)
35524-703	35524-E03	12 x 24.5 (300 x 622)	118 (53.5)
35525-703	35525-E03	15 x 24.5 (380 x 622)	129 (58.5)

Patented

Combination Vertical Cable Manager also available in 6'H (1.8 m) and 8'H (2.4 m)

Evolution g3 Combination Vertical Cable Manager

- Rear Cable Rings with spin-open latches on back (no door/cover)
- Three large Cable Distribution Spools included with 10", 12" and 15" (250 mm, 300 mm and 380 mm) wide managers

Part Number & Finish		7'H (2.1 m) W x D - in (mm)	Shipping Weight lb (kg)
Black	Glacier White		
35571-703	35571-E03	6 x 20.2 (150 x 513)	68 (30.8)
35572-703	35572-E03	8 x 20.2 (150 x 513)	72 (32.7)
35573-703	35573-E03	10 x 20.2 (150 x 513)	78 (35.4)
35574-703	35574-E03	12 x 20.2 (150 x 513)	84 (38.1)
35575-703	35575-E03	15 x 20.2 (150 x 513)	94 (42.6)

Evolution® Cable Management Accessories

Patented

35475-701

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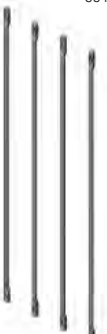
35473-001

Patented

35503-701

35506-701

Fiber Segregation Kit

Creates a separate pathway for fiber cables and patch cords inside Evolution Vertical Managers. The number of kits allowed per manager depends on the position of the Movable Mid-Section in double-sided managers and the width of the vertical cable manager (see table below). Each kit includes two 20.5"H (521 mm) J-shaped steel mounting brackets, eight plastic Fiber Segregation Spools and mounting hardware. The Fiber Segregation Spools turn 360° with stops at 90°, allowing easy access to fiber cables. The assembled bracket is 3.8"W x 4.3"D (97 mm x 109 mm) and includes mounting hardware.

Cable Lashing Bar Kit

Cable Lashing Bar Kit provides tie points for cables inside Evolution Vertical Managers. Use up to six cable lashing bars (front/rear) in 6"W (150 mm) vertical cable managers and up to ten (front/rear) in the 8"W (200 mm), 10"W (250 mm), 12"W (300 mm) and 15"W (300 mm) vertical cable managers. Each kit includes four round .23" (5.7 mm) diameter 20.6"L (524 mm) steel lashing bars and mounting hardware.

Cable Divider Bar Kit

Provides tie points for cables inside the Evolution Vertical Cable Manager and divides the interior of the cable manager to create multiple pathways for cables. Each kit includes four Cable Divider Bars, 5.75"H x 1"W x 20"L (146 mm x 25 mm x 510 mm) and mounting hardware. Divider Bars are welded steel construction consisting of a vertical cable lashing bar and two U-shaped cable dividers. Use side-by-side to create multiple pathways in 10"W (250 mm) or wider cable managers.

Floor Bracket

Floor Bracket secures the base of the Evolution Vertical Managers to the floor when located at the end of a row of equipment racks. Light-duty, steel bracket with attachment hole sized for 1/4" hardware; packs of 12, order separately.

Part Number	Description	Shipping Weight lb (kg)
35475-701	Fiber Segregation Kit, Black	6 (2.7)
35473-001	Cable Lashing Bar Kit, Zinc	2 (0.9)
35503-701	Cable Divider Bar Kit, Black	3 (1.4)
35506-701	Floor Bracket, Black	3 (1.4)

Maximum Number of Fiber Segregation Kits		
Cable Manager Width in (mm)	Double-Sided with 60/40 Front/Rear Split (60% side)	Single-Sided and all other Double-Sided positions
6 (150)	1	0
8 (200)	1	1
10 (250)	2	1
12 (300)	2	2
15 (380)	2	2

See Cable Fill Tables at
www.chatsworth.com/cablefill

Patented

35501-X02

Patented

35497-X02

Patented

35502-X02

Evolution® Cable Management Accessories

Solid Rear Panel Manager

Encloses the rear of the Evolution g1 Single-Sided Vertical Cable Manager. Hangs from the top of the manager or attaches to the back of the Fixed Accessory Panels. Install Cable Distribution Spools and any additional Fixed Accessory Panels before attaching the Solid Rear Panel; does not block attachment of other accessories inside the manager. Sold individually or in pairs; includes hardware.

Solid Mid Panel

Covers and divides the front and rear of the Evolution g2 Double-Sided Vertical Cable Manager. Easy installation; attaches to the back of the Movable Mid-Sections inside the manager. Does not block attachment of additional Movable Mid-Sections or other cable management accessories inside the manager. Includes one Moveable Mid-Section for 7'H (2.1m) manager and two for 8'H (1.8 m) manager. Sold individually or in packs of four; includes hardware.

Solid Side Panel Manager

Covers the side of an Evolution g2 Double-Sided Vertical Cable Manager located at the end of a row of equipment racks. Easy tool-less installation; hangs from the top of the manager and attaches at the bottom of the manager with included snap-in hardware. Sold individually or in pairs.

Part Number	Description Height - 7'H (2.1 m) Width - in (mm)	Shipping Weight lb (kg)
35501-X02	Solid Rear Panel, 6 (150), Each	11 (5.0)
35501-X05	Solid Rear Panel, 8 (200), Each	11 (5.0)
35501-X08	Solid Rear Panel, 10 (250), Each	11 (5.0)
35501-X11	Solid Rear Panel, 12 (300), Each	11 (5.0)
35501-X14	Solid Rear Panel, 15 (380), Each	11 (5.0)
35501-X52	Solid Rear Panel, 6 (150), Pair	42 (19.1)
35501-X55	Solid Rear Panel, 8 (200), Pair	42 (19.1)
35501-X58	Solid Rear Panel, 10 (250), Pair	42 (19.1)
35501-X61	Solid Rear Panel, 12 (300), Pair	42 (19.1)
35501-X64	Solid Rear Panel, 15 (380), Pair	42 (19.1)
35497-X02	Solid Mid Panel, 6 (150), Each	16 (7.3)
35497-X05	Solid Mid Panel, 8 (200), Each	16 (7.3)
35497-X08	Solid Mid Panel, 10 (250), Each,	16 (7.3)
35497-X11	Solid Mid Panel, 12 (300), Each	16 (7.3)
35497-X14	Solid Mid Panel, 15 (380), Each	16 (7.3)
35497-X52	Solid Mid Panel, 6 (150), Pack of 4	62 (28.1)
35497-X55	Solid Mid Panel, 8 (200), Pack of 4	62 (28.1)
35497-X58	Solid Mid Panel, 10 (250), Pack of 4	62 (28.1)
35497-X61	Solid Mid Panel, 12 (300), Pack of 4	62 (28.1)
35497-X64	Solid Mid Panel, 15 (380) Pack of 4	62 (28.1)
35502-X02	Solid Side Panel Manager, Each	19 (8.6)
35502-X52	Solid Side Panel Manager, Pair	35 (15.9)

X=color; 7=Black, E=Glacier White.

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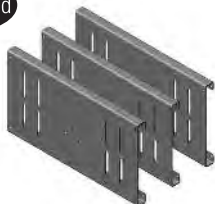
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35492-X02

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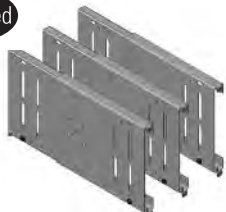
35493-X02

15008-001

35505-001

Evolution® Cable Management Accessories

Fixed Accessory Panel Kit for Evolution g1 Single-Sided Manager

Kit includes three Fixed Accessory Panels for the Evolution g1 Single-Sided Vertical Cable Manager. Select to match the width of the cable manager; includes installation hardware.

Movable Mid-Section Kit for Evolution g2 Double-Sided Manager

Kit includes three Movable Mid-Sections for the Evolution g2 Double-Sided Vertical Cable Manager. Select to match the width; includes installation hardware.

Cable Distribution Spools

Spools provide slack management and strain relief for patch cords and jumper cables inside Evolution Vertical Cable Managers. Three large cable distribution spools are included with each 10", 12" and 15" wide (250 mm, 300 mm and 380 mm) vertical cable manager (will not fit other sizes). Attaches inside vertical cable managers. Spools are 2.75" (69.9 mm) in diameter and 5.9"L (150 mm) and made from black plastic; each kit includes four spools and mounting hardware.

Cable Distribution Spool Spacer Kit

Spool Spacer Kit is used with the Cable Distribution Spool to offset the spool so the front edge of the spool is close to the front edge of cable management fingers in the Evolution g2 Double-Sided Cable Managers. Use in 10", 12" and 15" (250 mm, 300 mm and 380 mm) wide managers; each manager includes three spools and three spacers. Attaches to the Movable Mid-Sections inside double-sided Evolution g2 Vertical Cable Managers. Use one Cable Distribution Spool Spacer with each Cable Distribution Spool when the Movable Mid-Sections in the cable manager are set for a 50/50 front/rear split. Use two Cable Distribution Spool Spacers with each Cable Distribution Spool when the Movable Mid-Sections in the cable manager are set for a 60/40 front/rear split; stack both of the Cable Distribution Spool Spacers on the 60% side. Spacers are 2.8" (71 mm) in diameter and 2.5"H (64 mm) and made from black plastic; each kit includes eight spacers and mounting hardware.

Part Number	Description Width - in (mm)	Shipping Weight lb (kg)
Fixed Accessory Panel Kit		
35492-X01	For 6 (150) Evolution g1 Single-Sided	3 (1.4)
35492-X02	For 8 (200) Evolution g1 Single-Sided	4 (1.8)
35492-X03	For 10 (250) Evolution g1 Single-Sided	5 (2.3)
35492-X04	For 12 (300) Evolution g1 Single-Sided	6 (2.7)
35492-X05	For 15 (380) Evolution g1 Single-Sided	7 (3.2)
Movable Mid Section Kit		
35493-X01	For 6 (150) Evolution g2 Double-Sided	4 (1.8)
35493-X02	For 8 (200) Evolution g2 Double-Sided	5 (2.3)
35493-X03	For 10 (250) Evolution g2 Double-Sided	5 (2.3)
35493-X04	For 12 (300) Evolution g2 Double-Sided	7 (3.2)
35493-X05	For 15 (380) Evolution g2 Double-Sided	8 (3.6)
15008-001	Cable Distribution Spools, Pack of 4, Black	2 (0.9)
35505-001	Cable Distribtuoin Spool Spacer Kit, Black	1 (0.5)

X=color; 7=Black, E=Glacier White.

Patent Pending

Velocity® Cable Management

CPI's Velocity® Cable Management is an economical cable management solution for everyday use in telecommunication rooms, equipment rooms and lab spaces and creates a complete vertical and horizontal pathway for premise cabling and patch cords on CPI Rack Systems.

Vertical Cable Managers:

Velocity Cable Management includes single- and double-sided vertical cable managers available in four widths and three heights. They can ship unassembled in compact packaging to reduce shipping costs and storage space, providing easier staging and handling on the job site with less packaging to remove. No tools are required to assemble the cable manager. The components simply snap together, and the manager bolts to the side of the rack with included hardware.

The vertical cable manager features a large cross section to maximize internal cable management space. To simplify cable management, T-shaped cable guides and openings on the sides of the manager align with each rack-mount unit and have rounded edges to protect cables from snags. Snap-on covers are included and swing open to the right or left to provide easy access and protect cables when closed. The manager has openings in the body, which allow cables to pass easily front-to-rear. Add the accessory Cable Spool Kit to manage fiber, the Cable Lashing Bar Kit to secure large cable bundles or the Cable Ring Kit to create a rear pathway on the back of single-sided managers.

- Vertical managers for open two-post and four-post CPI Rack Systems that have 3"D (80 mm) mounting channels; do not use with 6" Deep Standard Rack or SeismicFrame Two-Post Rack
- Packaging:
  - Each vertical cable manager ships unassembled in a single carton
  - Each horizontal cable manager ships fully assembled in a single carton
- Material:
  - Vertical cable manager has steel mid panels, splice plates and plastic sides; covers on 3.6"W (91 mm) and 6"W (152 mm) managers are plastic; covers on 10"W (254 mm) and 12"W (305 mm) managers are steel with plastic hinges
  - Horizontal cable manager is plastic
- Finish: Black epoxy-polyester hybrid powder coat paint on steel parts; black plastic

Snaps together:
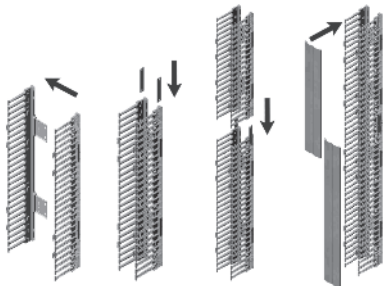
Velocity® Single-Sided Vertical Cable Managers

Single-Sided Vertical Cable Managers include:
- Four vertical side sections with T-shaped cable guides spaced 1U apart
- Four mid panels with attachment points for cable management accessories
- Two splice plates used to assemble the top and bottom side sections
- Two half-height covers that snap onto the T-shaped cable guides
- Eight M8 hex bolts, washers and hex flange nuts to secure cable managers to the rack

Note: 3.6"W & 6"W ship with extruded plastic doors; 10"W & 12"W ship with metal doors.

Velocity Single-Sided Vertical Cable Managers		
Part Number	**Description H x W x D in (mm)**	**Shipping Weight lb (kg)**
For 6'H (1.8 m), 38U Racks		
13901-701	70 x 3.6 x 9.7 (1778 x 91 x 246)	17 (7.7)
13902-701	70 x 6 x 9.8 (1778 x 152 x 249)	18 (8.2)
13904-701	70 x 10 x 10.3 (1778 x 254 x 262)	30 (13.6)
13905-701	70 x 12 x 10.4 (1778 x 305 x 264)	32 (14.5)
For 7'H (2.1 m), 45U Racks		
13901-703	80.5 x 3.6 x 9.7 (2045 x 91 x 246)	18 (8.2)
13902-703	80.5 x 6 x 9.8 (2045 x 152 x 249)	20 (9.1)
13904-703	80.5 x 10 x 10.3 (2045 x 254 x 262)	32 (14.5)
13905-703	80.5 x 12 x 10.4 (2045 x 305 x 264)	34 (15.4)
For 8'H (2.4 m), 51U/52U Racks		
13901-715	91 x 3.6 x 9.7 (2311 91 x 246)	19 (8.6)
13902-715	91 x 6 x 9.8 (2311 x 152 x 249)	21 (9.5)
13904-715	91 x 10 x 10.3 (2311x 254 x 262)	34 (15.4)
13905-715	91 x 12 x 10.4 (2311 x 305 x 264)	36 (16.3)

Color is black. Velocity Single-Sided Vertical Cable Managers are 9.5"D (241 mm) without doors. The overall depth listed in the order table varies due to the bevel on the door, which differs slightly with width. Usable depth is 7.5" (191 mm). Usable width is 1.3" (33 mm) less than overall width.

Velocity® Cable Managers are easy to ship and store - compact packaging requires less storage space, reduces waste and is easier and more cost-efficient to ship.

See Cable Fill Tables at www.chatsworth.com/cablefill

CPI: 800-834-4969

Note: 3.6"W & 6"W ship with extruded plastic doors; 10"W & 12"W ship with metal doors.

Velocity® Double-Sided Vertical Cable Manager

Double-Sided Vertical Cable Manager includes:

- Four vertical side sections with T-shaped cable guides spaced 1U apart
- Four mid panels with attachment points for cable management accessories
- Two splice plates used to assemble the top and bottom side sections
- Four half-height covers that snap onto the T-shaped cable guides
- Eight M8 hex bolts, washers and hex flange nuts to secure cable managers to the rack

Velocity Double-Sided Vertical Cable Managers		
Part Number	**Description H x W x D in (mm)**	**Shipping Weight lb (kg)**
For 6'H (1.8 m), 38U Racks		
13911-701	70 x 3.6 x 16.4 (1778 x 91 x 417)	23 (10.4)
13912-701	70 x 6 x 16.6 (1778 x 152 x 422)	26 (11.8)
13914-701	70 x 10 x 17.5 (1778 x 254 x 445)	37 (16.8)
13915-701	70 x 12 x 17.8 (1778 x 305 x 446)	40 (18.1)
For 7'H (2.1 m), 45U Racks		
13911-703	80.5 x 3.6 x 16.4 (2045 x 91 x 417)	25 (11.3)
13912-703	80.5 x 6 x 16.6 (2045 x 152 x 422)	28 (12.7)
13914-703	80.5 x 10 x 17.5 (2045 x 254 x 445)	40 (18.1)
13915-703	80.5 x 12 x 17.8 (2045 x 305 x 446)	43 (19.5)
For 8'H (2.4 m), 51U/52U Racks		
13911-715	91 x 3.6 x 16.4 (2311 x 91 x 417)	27 (12.2)
13912-715	91 x 6 x 16.6 (2311 x 152 x 422)	30 (13.6)
13914-715	91 x 10 x 17.5 (2311 x 254 x 445)	44 (20.0)
13915-715	91 x 12 x 17.8 (2311 x 305 x 464)	47 (21.3)

Color is black. Velocity Double-Sided Vertical Cable Managers are 16 "D (406 mm) without doors. The overall depth listed in the order table varies due to the bevel on the door, which differs slightly with width. Usable depth in the front of the manager is 7.5" (191 mm). Usable depth at the rear of the manager is 5.5" (140 mm). Usable width is 1.3" (33 mm) less than overall width.

See Cable Fill Tables at www.chatsworth.com/cablefill

Velocity® Cable Management Accessories

Cable Ring Kit

Creates a separate cable pathway on the back of a Velocity Single-Sided Vertical Cable Manager for premise cables. Attaches to the sides with included hardware. Match the kit to the width and height of the vertical cable managers; one kit per manager. Rings are C-shaped, 3.0"H x 7.7"D (76 mm x 196 mm), made from aluminum and painted black; latch is black plastic and spins open to provide access to cables. Cable opening on 3.6"W (91 mm) rings is 1.4"W (36 mm); cable opening on other rings is 3.8"W (97 mm). Each kit includes multiple rings and mounting hardware. The kit for 6' (1.8 m) include six rings, the kit for 7' (2.1 m) includes seven rings and the kit for the 8' (2.4 m) includes eight rings.

13934-7XX

Cable Spool Kit

The Cable Spool Kit includes four small cable spools to provide slack management and strain relief for patch cords and jumper cables inside the Velocity Vertical Cable Managers. Attaches to the mid panel with included hardware. Use in 6"W (152 mm) or wider vertical cable managers; one kit per side. Spools are 2" (51 mm) in diameter and 6"L (152 mm) and made from aluminum; painted black. Each kit includes four spools and mounting hardware.
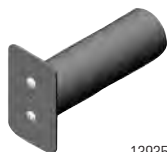
13935-701

Cable Lashing Bar Kit

Provides tie points for cables inside Velocity Vertical Cable Managers. Attaches to the mid panel with included hardware. Use in 6"W (152 mm) or wider vertical cable managers; one kit per side. Bars are .23" (5.7 mm) in diameter; two bars are 23.7"L (602 mm); four bars are 16.6"L (422 mm), and made from steel; zinc-plated, silver-colored. Each kit includes six lashing bars and mounting hardware.

13928-001

Part Number	Description H x W ft (m) x in (mm)	Shipping Weight lb (kg)
13934-716	Cable Ring Kit for 6 (1.8) x 3.6 (91) Manager	8 (3.6)
13934-717	Cable Ring Kit for 7 (2.1) x 3.6 (91) Manager	9 (4.1)
13934-718	Cable Ring Kit for 8 (2.4) x 3.6 (91) Manager	11 (5.0)
13934-726	Cable Ring Kit for 6 (1.8) x 6 (152) Manager	9 (4.1)
13934-727	Cable Ring Kit for 7 (2.1) x 6 (152) Manager	11 (5.0)
13934-728	Cable Ring Kit for 8 (2.4) x 6 (152) Manager	12 (5.4)
13934-746	Cable Ring Kit for 6 (1.8) x 10 (254) Manager	12 (5.4)
13934-747	Cable Ring Kit for 7 (2.1) x 10 (254) Manager	14 (6.4)
13934-748	Cable Ring Kit for 8 (2.4) x 10 (254) Manager	15 (6.8)
13934-756	Cable Ring Kit for 6 (1.8) x 12 (305) Manager	14 (6.4)
13934-757	Cable Ring Kit for 7 (2.1) x 12 (305) Manager	16 (7.3)
13934-758	Cable Ring Kit for 8 (2.4) x 12 (305) Manager	18 (8.2)
13935-701	Cable Spool Kit, Pack of 4, Black	2 (0.9)
13928-001	Cable Lashing Bar Kit, Zinc	2 (0.9)

Cable ring kits are Black.

Velocity® Standard Pack

The Velocity® Standard Pack is an easy-to-use solution for managing equipment and cabling at the cross connect. It includes one CPI Standard Rack, a concrete floor installation kit and a single or double-sided Velocity vertical cable manager packaged in a single carton.

The Velocity Standard Pack is offered in four variations, with a single-sided or double-sided cable manager in either 3.6"W (91 mm) or 6"W (152 mm). Cable managers can be mounted on either side of the standard rack.

- Numbered rack-mount spaces on the Standard Rack are printed on the equipment mounting channels, providing the installer an easy way of positioning equipment in planned spaces
- Cable openings in Velocity vertical cable managers align with rack-mount units on the rack, allowing cables to exit by rack-mount units
- Integrated masked grounding studs on the inside of the rack channel for quick attachment to the Telecommunications Grounding System
- Cable openings have rounded edges to protect cable and will not deform or break
- Cover snaps on and opens to the right or left for easy access to cables during moves, adds or changes

Velocity Standard Pack includes:
- (1) 45U x 19" Standard Rack
- (1) Single or double-sided Velocity® vertical cable manager
- (1) Rack installation kit

Rack-Mount Unit (U) marks simplify equipment installation

Ground Studs located directly on rack channel

Side cable openings align with rack-mount units on the rack
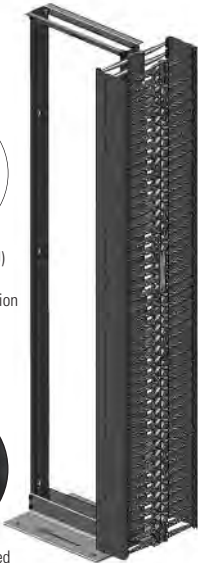
Part Number	Description Width in (mm)	Shipping Weight lb (kg)
57011-703	(1) Standard Rack, 45U x 19"EIA, UL, Black (1) Velocity® Single-Sided Vertical Cable Manager, 3.6"W (91 mm), Black (1) Rack Installation Kit for concrete floor, 1/2" hardware, Zinc	47 (21.3)
57012-703	(1) Standard Rack, 45U x 19"EIA, UL, Black (1) Velocity® Double-Sided Vertical Cable Manager, 3.6"W (91 mm), Black (1) Rack Installation Kit for concrete floor, 1/2" hardware, Zinc	60 (27.2)
57013-703	(1) Standard Rack, 45U x 19"EIA, UL, Black (1) Velocity® Single-Sided Vertical Cable Manager, 6"W (152 mm), Black (1) Rack Installation Kit for concrete floor, 1/2" hardware, Zinc	50 (22.7)
57014-703	(1) Standard Rack, 45U x 19"EIA, UL, Black (1) Velocity® Double-Sided Vertical Cable Manager, 6"W (152mm), Black (1) Rack Installation Kit for concrete floor, 1/2" hardware, Zinc	68 (30.8)

See Section 1 for rack shelf accessories.

c(UL)us
LISTED

Double-Sided MCS
shown with door open

Shown on rack with
Jumper Tray

MCS Master Cabling Section

The MCS Master Cabling Section virtually eliminates the need for horizontal cable managers by providing frequent 1U spacing of the cable guides that aligns precisely with the rack spacing.

Includes innovative, rigid aluminum SwitchGate Door/Cover that hides and conceals cable. A handle is included on the outside of the door/cover, making removal and installation even easier.

- Extra-wide, contoured cable guides provide smooth movement and meet UL 94V-O Flame Resistant standards
- SwitchGate Door/Cover is easily switched from right to left opening and can be removed
- Double-Sided MCS Master Cabling Sections have edge-protected pass through ports and vertical slots for optional Saf-T-Grip® straps
- 10"W (250 mm) version includes (4) Cable Distribution Spools
- Mounting hardware and doors are included
- Attach to Standard Racks, Universal Racks or QuadraRacks

Part Number	Height ft (m)	Depth in (mm)	Shipping Weight lb (kg)
4.4"W (112 mm) Single-Sided			
30091-X00	5.6 (1.7)	8.08 (205.2)	14 (6.4)
30091-X01	6 (1.8)	8.08 (205.2)	15 (6.8)
30091-X02	6.6 (2.0)	8.08 (205.2)	16 (7.3)
30091-X03	7 (2.1)	8.08 (205.2)	17 (7.7)
30091-X05	7.6 (2.3)	8.08 (205.2)	18 (8.2)
30091-X15	8 (2.4)	8.08 (205.2)	20 (9.1)
30091-X08	9 (2.7)	8.08 (205.2)	22 (10.0)
6"W (150 mm) Single-Sided			
30092-X00	5.6 (1.7)	8.08 (205.2)	16 (7.3)
30092-X01	6 (1.8)	8.08 (205.2)	17 (7.7)
30092-X02	6.6 (2.0)	8.08 (205.2)	19 (8.6)
30092-X03	7 (2.1)	8.08 (205.2)	20 (9.1)
30092-X05	7.6 (2.3)	8.08 (205.2)	21 (9.5)
30092-X15	8 (2.4)	8.08 (205.2)	23 (10.4)
30092-X08	9 (2.7)	8.08 (205.2)	25 (11.3)
10"W (250 mm) Single-Sided			
30093-X00	5.6 (1.7)	8.08 (205.2)	38 (17.2)
30093-X01	6 (1.8)	8.08 (205.2)	40 (18.1)
30093-X02	6.6 (2.0)	8.08 (205.2)	43 (19.5)
30093-X03	7 (2.1)	8.08 (205.2)	45 (20.4)
30093-X05	7.6 (2.3)	8.08 (205.2))	48 (21.8)
30093-X15	8 (2.4)	8.08 (205.2)	51 (23.1)
30093-X08	9 (2.7)	8.08 (205.2)	56 (25.4)

Part Number	Height ft (m)	Depth in (mm)	Shipping Weight lb (kg)
4.4"W (112 mm) Double-Sided			
30094-X00	5.6 (1.7)	16.15 (410.2)	34 (15.4)
30094-X01	6 (1.8)	16.15 (410.2)	36 (16.3)
30094-X02	6.6 (2.0)	16.15 (410.2)	38 (17.2)
30094-X03	7 (2.1)	16.15 (410.2)	40 (18.1)
30094-X05	7.6 (2.3)	16.15 (410.2)	42(19.1)
30094-X15	8 (2.4)	16.15 (410.2)	45 (20.4)
30094-X08	9 (2.7)	16.15 (410.2)	49 (22.2)
6"W (150 mm) Double-Sided			
30095-X00	5.6 (1.7)	16.15 (410.2)	38 (17.2)
30095-X01	6 (1.8)	16.15 (410.2)	40 (18.1)
30095-X02	6.6 (2.0)	16.15 (410.2)	43 (19.5)
30095-X03	7 (2.1)	16.15 (410.2)	45 (20.4)
30095-X05	7.6 (2.3)	16.15 (410.2)	48 (21.8)
30095-X15	8 (2.4)	16.15 (410.2)	51 (23.1)
30095-X08	9 (2.7)	16.15 (410.2)	56 (25.4)
10"W (250 mm) Double-Sided			
30096-X00	5.6 (1.7)	16.15 (410.2)	44 (20.0)
30096-X01	6 (1.8)	16.15 (410.2)	47 (21.3)
30096-X02	6.6 (2.0)	16.15 (410.2)	50 (22.7)
30096-X03	7 (2.1)	16.15 (410.2)	53 (24.0)
30096-X05	7.6 (2.3)	16.15 (410.2)	57 (25.9)
30096-X15	8 (2.4)	16.15 (410.2)	60 (27.2)
30096-X08	9 (2.7)	16.15 (410.2)	67 (30.4)

X=color; 5=Clear, 7=Black, E=Glacier White. Clear (-5XX) versions have black doors/covers and cable guides.
9' (2.7 m) unit is an 8' (2.4 m) unit with 1' (0.3 m) extension.

CPI: 800-834-4969

Extended fingers of
MCS-EFX

Hinged locking door

MCS-EFX Master Cabling Section With Extended Fingers

The MCS-EFX is a larger, higher capacity version of CPI's popular MCS Master Cabling Section vertical cable management solution. It is appropriate for two-post and four-post applications and is available in single-sided and double-sided configurations.

MCS-EFX is manufactured from a combination of strong, lightweight aluminum sheet and plenum-rated composite materials for maximum strength at minimal weight. MCS-EFX is packaged in a single carton for easy handling and includes installation hardware.

- Cable openings on the side of MCS-EFX are sized to accommodate 48 patch cords, twice the capacity of the standard MCS; openings have rounded edges to protect cable and will not deform or break
- Patented cable openings on the sides of MCS-EFX align with rack-mount unit space on the rack, allowing cables to exit by raack-mount unit
- The door hinges open to the right or left for easy access to cables during moves, adds and changes and locks in the closed position to protect cables from damage
- Plastic Cable Guides meet UL 94V-O Flame Resistant standards
- 10"W and 12"W (250 mm and 300 mm) Double-Sided MCS-EFX include (4) Cable Distribution Spools
- Mounting hardware and doors are included
- Attach to Standard Racks, Universal Racks or QuadraRacks

Part Number	Height ft (m)	Depth in (mm)	Shipping Weight lb (kg)
6"W (150 mm) Single-Sided			
40092-X03	7 (2.1)	10.62 (269.7)	31 (14.1)
40092-X05	7.6 (2.3)	10.62 (269.7)	32 (14.5)
40092-X15	8 (2.4)	10.62 (269.7)	35 (15.9)
10"W (250 mm) Single-Sided			
40093-X03	7 (2.1)	10.62 (269.7)	40 (18.1)
40093-X05	7.6 (2.3)	10.62 (269.7)	42 (19.1)
40093-X15	8 (2.4)	10.62 (269.7)	45 (20.4)
12"W (300 mm) Single-Sided			
40094-X03	7 (2.1)	10.62 (269.7)	44 (20.0)
40094-X05	7.6 (2.3)	10.62 (269.7)	47 (21.3)
40094-X15	8 (2.4)	10.62 (269.7)	50 (22.7)

Part Number	Height ft (m)	Depth in (mm)	Shipping Weight lb (kg)
6"W (150 mm) Double-Sided			
40095-X03	7 (2.1)	21.23 (539.2)	56 (25.4)
40095-X05	7.6 (2.3)	21.23 (539.2)	59 (26.8)
40095-X15	8 (2.4)	21.23 (539.2)	62 (28.1)
10"W (250 mm) Double-Sided			
40096-X03	7 (2.1)	21.23 (539.2)	69 (31.3)
40096-X05	7.6 (2.3)	21.23 (539.2)	73 (33.1)
40096-X15	8 (2.4)	21.23 (539.2)	76 (34.5)
12"W (300 mm) Double-Sided			
40097-X03	7 (2.1)	21.23 (539.2)	75 (34.0)
40097-X05	7.6 (2.3)	21.23 (539.2)	79 (35.8)
40097-X15	8 (2.4)	21.23 (539.2)	83 (37.6)

X=color; 5=Clear, 7=Black, E=Glacier White. Clear (-5XX) versions have black doors/covers and cable guides.

CCS Combination Cabling Section

Hinged locking door

The CCS Combination Cabling Section offers the best of CPI's cabling sections, but with added design features. This cabling section is double-sided with the front side featuring plastic cable guides (like those used on the MCS Master Cabling Section,) while the back retains the classic VCS Vertical Cabling Section design.

• 1U cable guides on the front designed for fanning and managing patch cords

• Open cabling section on the rear provides easy access and routes cable bundles feeding into the back of patch panels

• Edge-protected pass through ports make it easy to route cable from front to back; vertical slots along the center separator secure cable bundles neatly with optional Saf-T-Grip® Cable Management Straps

• Plastic Cable Guides meet UL 94V-O Flame Resistant standards

• Innovative SwitchGate Door/Cover (front) is easily opened from the right or left and can be removed so that cable does not have to thread through guides

• Attach to Standard Racks, Universal Racks, QuadraRack or Adjustable QuadraRack frames

• Mounting hardware and doors are included
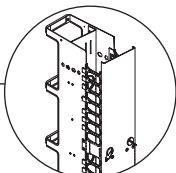
Front — Rear
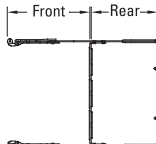
Usable Depth
For 3"D (80 mm) Rack Version:
Front=5.90" (149.9 mm); Rear=5.35" (135.9 mm)
For 6"D (150 mm) Rack Version:
Front=7.40" (188.0 mm); Rear=6.85" (174.0 mm)

Part Number 3"D (80 mm) Racks	Height ft (m)	Depth in (mm)	Shipping Weight lb (kg)
3.65"W (92.7 mm)			
30161-X01	6 (1.8)	12.24 (311)	25 (11.3)
30161-X03	7 (2.1)	12.24 (311)	29 (13.2)
30161-X05	7.6 (2.3)	12.24 (311)	31 (14.1)
30161-X15	8 (2.4)	12.24 (311)	33 (15.0)
30161-X08	9 (2.7)	12.24 (311)	38 (17.2)
6"W (150 mm)			
30162-X01	6 (1.8)	12.24 (311)	29 (13.2)
30162-X03	7 (2.1)	12.24 (311)	34 (15.4)
30162-X05	7.6 (2.3)	12.24 (311)	37 (16.8)
30162-X15	8 (2.4)	12.24 (311)	39 (17.7)
30162-X08	9 (2.7)	12.24 (311)	44 (20.0)
10"W (250 mm)			
30163-X01	6 (1.8)	12.24 (311)	40 (18.1)
30163-X03	7 (2.1)	12.24 (311)	46 (20.9)
30163-X05	7.6 (2.3)	12.24 (311)	50 (22.7)
30163-X15	8 (2.4)	12.24 (311)	53 (24.0)
30163-X08	9 (2.7)	12.24 (311)	59 (26.8)

Part Number 6"D (150 mm) Racks	Height ft (m)	Depth in (mm)	Shipping Weight lb (kg)
3.65"W (92.7 mm)			
30164-X01	6 (1.8)	14.61 (371)	28 (12.7)
30164-X03	7 (2.1)	14.61 (371)	33 (15.0)
30164-X05	7.6 (2.3)	14.61 (371)	36 (16.3)
30164-X15	8 (2.4)	14.61 (371)	38 (17.2)
30164-X08	9 (2.7)	14.61 (371)	43 (19.5)
6"W (150 mm)			
30165-X01	6 (1.8)	14.61 (371)	33 (15.0)
30165-X03	7 (2.1)	14.61 (371)	38 (17.2)
30165-X05	7.6 (2.3)	14.61 (371)	41 (18.6)
30165-X15	8 (2.4)	14.61 (371)	44 (20.0)
30165-X08	9 (2.7)	14.61 (371)	49 (22.2)
10"W (250 mm)			
30166-X01	6 (1.8)	14.61 (371)	42 (19.1)
30166-X03	7 (2.1)	14.61 (371)	49 (22.2)
30166-X05	7.6 (2.3)	14.61 (371)	53 (24.0)
30166-X15	8 (2.4)	14.61 (371)	56 (25.4)
30166-X08	9 (2.7)	14.61 (371)	63 (28.6)

X=color; 7=Black, E=Glacier White.

Extended fingers of
CCS-EFX

Hinged locking door

Front — Rear
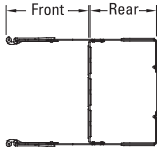
Usable Depth
Front=8.60" (218.4 mm);
Rear=5.35" (135.9 mm)

CCS-EFX Combination Cabling Section With Extended Fingers

The CCS-EFX is a double-sided vertical cable management trough designed for use with most two- and four-post racks to manage cable at the cross connect, especially when using angled-face copper patch panels.

The CCS-EFX is manufactured from a combination of strong, lightweight aluminum sheet and plenum-rated composite materials for maximum strength at minimal weight. CCS-EFX is packaged in a single carton for easy handling and includes installation hardware.

- Cable openings on the front are sized to fit 48 patch cords, twice the capacity of the CCS; openings have rounded edges to protect cable and will not deform or break
- Cable openings on front of CCS-EFX align with rack-mount unit on rack allowing cables to exit by rack-mount unit
- The front door hinges open to the right or left and locks in the closed position to protect cables
- Open cabling section on the rear of CCS-EFX allows large premise cable bundles to exit the manager into the rack-mount space. Spin closure latches secure cables
- Attach to 3"D (80 mm) Standard Racks, Universal Racks or QuadraRack
- Mounting hardware and doors are included

Part Number	Height ft (m)	Depth in (mm)	Shipping Weight lb (kg)
6"W (150 mm)			
40098-X03	7 (2.1)	14.94 (379.5)	38 (17.2)
40098-X05	7.6 (2.3)	14.94 (379.5)	41 (18.6)
40098-X15	8 (2.4)	14.94 (379.5)	44 (20.0)
10"W (250 mm)			
40099-X03	7 (2.1)	14.94 (379.5)	52 (23.6)
40099-X05	7.6 (2.3)	14.94 (379.5)	56 (25.4)
40099-X15	8 (2.4)	14.94 (379.5)	60 (27.2)
12"W (300 mm)			
40100-X03	7 (2.1)	14.94 (379.5)	56 (25.4)
40100-X05	7.6 (2.3)	14.94 (379.5)	60 (27.2)
40100-X15	8 (2.4)	14.94 (379.5)	64 (29.0)

X=color; 7=Black, E=Glacier White.

Global Vertical Cabling Section

The Global Vertical Cabling Section is an adaptable vertical cable management solution with a unique, two-piece design that reduces shipping size and cost. The two parts can be quickly assembled and then bolted to CPI's Universal and Standard racks, as well as QuadraRack™ and Adjustable QuadraRack frames. It ships partially assembled with patented cable guide fingers at 1U intervals. Each single-sided section includes a two-piece section, a two-piece door/cover and mounting hardware. Each double-sided section is a one-piece section and two-piece door/cover.

- Patented cable guide fingers at 1U intervals provide an organized pathway for cable and patch cords
- 7'H (2.1 m) provides 45U
- Snap-on, hinged door/cover hides cable for a finished appearance, yet allows quick access to cable for making changes
- Door/cover swings on hinges to open left or right
- Acorn nuts eliminate sharp edges, reducing injuries and torn cables
- Seven 2.5" (64 mm) pass-through ports allow cables to transition from front to back
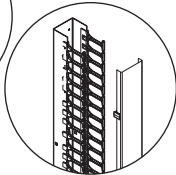
Part Number	Description	Shipping Weight lb (kg)
Single-Sided GVCS		
12831-X03	7'H x 6"W x 6.76"D, Wide (2.1 m x 150 mm x 171.7 mm)	19 (8.6)
12833-X03	7'H x 6"W x 9.30"D, Wide (2.1 m x 150 mm x 236.2 mm)	22 (10.0)
12830-X03	7'H x 3.65"W x 6.76"D, Narrow (2.1 m x 92.7 mm x 171.7 mm)	16 (7.3)
12832-X03	7'H x 3.65"W x 9.30"D, Narrow (2.1 m x 92.7 mm x 236.2 mm)	18 (8.2)
Double-Sided GVCS		
14831-X03	7'H x 6"W x 13.52"D, Wide (2.1 m x 150 mm x 343.4 mm)	39 (17.7)
14830-X03	7'H x 3.65"W x 13.52"D, Narrow (2.1 m x 92.7 mm x 343.4 mm)	32 (14.5)

X=color: 5=Clear, 7=Black, E=Glacier White. Clear (-5XX) versions have black doors/covers and cable guides.

Double-Sided

Single-Sided

Cable Rings For GVCS

Use rings to create a separate cable path on back of Global Vertical Cabling Section to organize wires for a neat, professional installation. Contains seven rings.

Part Number		Description	Shipping Weight lb (kg)
Black	Glacier White		
12836-702	12836-E02	7 Wide Rings	5 (2.3)
12836-701	12836-E01	7 Narrow Ring	4 (1.8)

Rings shown attached to GVCS

Standard Rack
with RMU printed
on rack

Fingers align with
RMU on rack
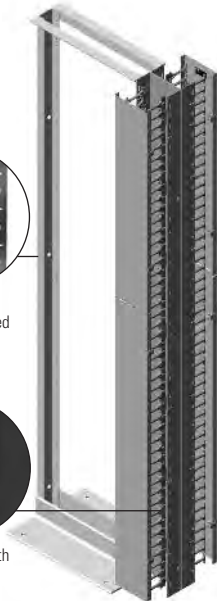
Combines a 7'H x 19"W x 3"D
(2.1m x 19"W x 80 mm) Standard Rack,
Global Vertical Cabling Sections and
Concrete Floor Installation Kit into one
convenient shipping container!

Global Standard Pack

The Global Standard Pack is an easy-to-use solution for managing equipment and cabling at the cross connect. It includes one CPI Standard Rack, a concrete floor installation kit and one or two CPI Global Vertical Cabling Sections (GVCS) packaged in a single carton.

The Global Standard Pack shown has two Global Vertical Cabling Sections used back-to-back on the same side of the rack to create a double-sided cable manager. Cabling sections can also be mounted on opposite sides of the rack to create two single-sided cable pathways.

- Numbered rack-mount unit (U) spaces on the rack are printed on the equipment mounting channels, providing the installer an easy way of positioning equipment in planned spaces
- Cable openings in Global Vertical Cabling Section align with U on the rack, allowing cables to exit by U
- Integrated masked grounding studs on the inside of the rack channel for quick attachment to the Telecommunications Grounding System
- Cable openings have rounded edges to protect cable and will not deform or break
- Door/cover snaps on and opens to the right or left for easy access to cables during moves, adds or changes
- Global Standard Pack is UL Listed as a communication circuit accessory

Part Number	Description Width in (mm)	Shipping Weight lb (kg)
57001-X03	(1) Standard Rack, 45U x 19"EIA, UL (1) GVCS Single-Sided Vertical Cable Manager, 3.65"W (92.7 mm) (1) Rack Installation Kit for concrete floor, 1/2" hardware, Zinc	50 (22.7)
57002-X03	(1) Standard Rack, 45U x 19"EIA, UL (2) GVCS Single-Sided Vertical Cable Managers, 3.65"W (92.7 mm) (1) Rack Installation Kit for concrete floor, 1/2" hardware, Zinc	65 (29.5)
57003-X03	(1) Standard Rack, 45U x 19"EIA, UL (1) GVCS Single-Sided Vertical Cable Manager, 6"W (150 mm) (1) Rack Installation Kit for concrete floor, 1/2" hardware, Zinc	52 (23.6)
57004-X03	(1) Standard Rack, 45U x 19"EIA, UL (2) GVCS Single-Sided Vertical Cable Managers, 6"W (150 mm) (1) Rack Installation Kit for concrete floor, 1/2" hardware, Zinc	67 (30.4)

X=color: 5=Clear, 7=Black, E=Glacier White. Clear (-5XX) versions include GVCS with black doors/covers and cable guides. GVCS is 6.76"D (171.7 mm).

Single-Sided Narrow Vertical Cabling Section

Provides convenient cable run between equipment racks. Conceals cable for a more attractive installation.
- Bolts to CPI Standard Rack, Universal Rack, QuadraRack 4-Post Frame and QuadraRack Server Frame
- Includes formed cabling section, lockable cabling latches - 12" (300 mm) between latches, protective edge guards and mounting hardware
- 3.65"W x 6.38"D (92.7 mm x 162.1 mm); single-sided cable trough
- 9' (2.7 m) version consists of a 7' (2.1 m) section and 2' (0.6 m) extension

11584-X02
One-Foot Extension

11730	Cabling Section, Single-Sided, Narrow

	Color
1	Gray
2	Computer Beige
5	Clear
7	Black
E	Glacier White

	Height - ft (m)
00	5.6 (1.7)
01	6 (1.8)
02	6.6 (2.0)
03	7 (2.1)
05	7.6 (2.3)
15	8 (2.4)
08	9 (2.7)

11730	-	X	XX

Single-Sided Narrow Vertical Cabling Section Extensions

Adds one or two feet of height to vertical cabling sections, providing a uniform vertical pathway from ceiling to rack. Mounting hardware included.

Part Number	Description W x D in (mm)	Shipping Weight lb (kg)
11584-X02	One-Foot Extension 3.65 x 6.38 (92.7 x 162.1)	3 (1.4)
11378-X02	Two-Foot Extension 3.65 x 6.38 (92.7 x 162.1)	4 (1.8)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White.

11378-X02
Two-Foot Extension

11730-X03
Single-Sided Narrow

11584-X01
One-Foot Extension

11378-X01
Two-Foot Extension

11374-503
Single-Sided Wide

Single-Sided Wide Vertical Cabling Section

Provides convenient cable run between equipment racks. Conceals cable for a more attractive installation.
- Bolts to CPI Standard Rack, Universal Rack, QuadraRack® 4-Post Frame and QuadraRack Server Frame
- Includes formed cabling section, lockable cabling latches spaced 12" (300 mm) apart, protective edge guards and mounting hardware
- 6"W x 6.38"D (150 mm x 162.1 mm); single-sided cable trough
- 9' (2.7 m) version consists of 7' (2.1 m) section with a 2' (0.6 m) extension

11374	Cabling Section, Single-Sided, Wide	

	Color	
1	Gray	
2	Computer Beige	
5	Clear	
7	Black	
E	Glacier White	

	Height	
00	5' 6" (1.7 m)	
01	6' (1.8 m)	
02	6' 6" (2.0 m)	
03	7' (2.1 m)	
05	7' 6" (2.3 m)	
15	8' (2.4 m)	
08	9' (2.7 m)	

11374	-	X	XX

Single-Sided Wide Vertical Cabling Section Extensions

Adds one or two feet of height to vertical cabling sections, providing a uniform vertical pathway from ceiling to rack. Mounting hardware included.

Part Number	Description W x D in (mm)	Shipping Weight lb (kg)
11584-X01	One-Foot Extension 6 x 6.38 (150 x 162.1)	3 (1.4)
11378-X01	Two-Foot Extension 6 x 6.38 (150 x 162.1)	4 (1.8)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White.

11781-X02
One-Foot Extension

11782-X02
Two-Foot Extension
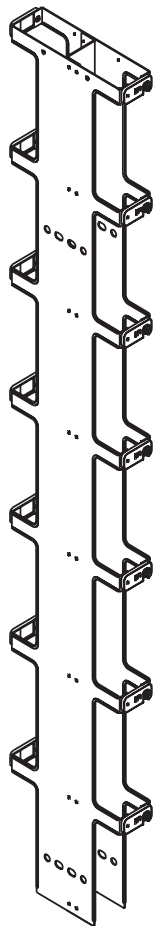
12096-X03
Double-Sided Narrow

Double-Sided Narrow Vertical Cabling Section

Provides double-sided 3.65" (92.7 mm) cable run between equipment racks. Oval ports measuring 1.38" x 2.25" (35.1 mm x 51.2 mm) are spaced at 11.62" (295.1 mm) intervals along center separator for convenient cable and wiring pass through. Vertical slots secure optional Saf-T-Grip® Cable Management Straps for neatly bundled cables.

• Bolts to CPI Standard Rack, Universal Rack, QuadraRack 4-Post Frame and QuadraRack Server Frame
• Includes formed cabling section, lockable cabling latches spaced 12" (300 mm) apart, protective edge guards and mounting hardware
• 3.65"W x 12.75"D (92.7 mm x 323.9 mm); double-sided cable trough
• 1.38" x 2.25" (35.1 mm x 57.2 mm) oval pass through ports every 11.62" (295.1 mm)
• 9' (2.7 m) version consists of 7' (2.1 m) section with a 2' (0.6 m) extension
• Mounting hardware included

Part Number	Description ft (m)	Shipping Weight lb (kg)
12096-X03	7 (2.1) Double-Sided Narrow	24 (10.9)
12096-X15	8 (2.4) Double-Sided Narrow	27 (12.2)
12096-X08	9 (2.7) Double-Sided Narrow	28 (12.7)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White.

Double-Sided Narrow Vertical Cabling Section Extensions

Adds one or two feet of height to vertical cabling sections, providing a uniform vertical pathway from ceiling to rack. Mounting hardware included.

Part Number	Description W x D in (mm)	Shipping Weight lb (kg)
11781-X02	One-Foot Extension 3.65 x 12.75 (92.7 x 323.9)	4 (1.8)
11782-X02	Two-Foot Extension 3.65 x 12.75 (92.7 x 323.9)	7 (3.2)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White

11781-X01
One-Foot Extension

Double-Sided Wide Vertical Cabling Section

These space-saving ducts, with locking latches, hold and separate wiring for a more organized and managed equipment room installation. Provides convenient cable run between equipment racks. Conceals cable for a more attractive installation. 2.50" (63.5 mm) diameter ports spaced at 11.625" (295.28 mm) intervals allow for convenient cable and wiring pass through. Vertical slots secure optional Saf-T-Grip® Cable Management Straps for neatly bundled cables.

• Bolts to CPI Standard Rack, Universal Rack, QuadraRack 4-Post Frame and QuadraRack Server Frame
• Includes formed cabling section, lockable cabling latches - 12" (300 mm) between latches, protective edge guards and mounting hardware
• 6"W x 12.75"D (150 mm x 323.9 mm); double-sided cable trough
• 2.5" (64.0 mm) diameter pass through ports every 11.62" (295.1 mm)
• 9' (2.7 m) version consists of a 7' (2.1 m) section with a 2' (0.6 m) extension
• Mounting hardware included

Part Number	Description ft (m)	Shipping Weight lb (kg)
11729-X03	7 (2.1) Double-Sided Wide	30 (13.6)
11729-X15	8 (2.4) Double-Sided Wide	31 (14.1)
11729-X08	9 (2.7) Double-Sided Wide	32 (14.5)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White.

11782-X01
Two-Foot Extension

Double-Sided Wide Vertical Cabling Section Extensions

Adds one or two feet of height to vertical cabling sections, providing a uniform vertical pathway from ceiling to rack. Mounting hardware included.

Part Number	Description W x D in (mm)	Shipping Weight lb (kg)
11781-X01	One-Foot Extension 6 x 12.75 (150 x 323.9)	5 (2.3)
11782-X01	Two-Foot Extension 6 x 12.75 (150 x 323.9)	9 (4.1)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White.

11729-503
Double-Sided Wide

Cabling Section Cover

Designed to be used on narrow and wide Vertical Cabling Sections to provide a clean, professional appearance. Available in metal or plexiglass versions; plexiglass for 7' (2.1 m) only; in sizes to fit your installation.

- Hides cables
- Provides professional appearance
- Quick attachment and removal
- For use with vertical cabling sections only
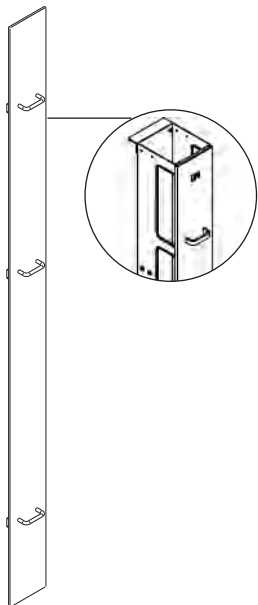
Part Number	Height ft (m)	Style	Shipping Weight lb (kg)
3.65"W (92.7 mm)			
12189-701	7 (2.1)	Plexiglass, Black	8 (3.6)
12664-X02	7 (2.1)	Metal	8 (3.6)
11923-X05	7.6 (2.3)	Metal	4 (1.8)
11923-X15	8 (2.4)	Metal	5 (2.3)
11923-X08	9 (2.7)	Metal	5 (2.3)
6"W (150 mm)			
12188-701	7 (2.1)	Plexiglass, Black	9 (4.1)
12664-X01	7 (2.1)	Metal	9 (4.1)
11922-X05	7.6 (2.3)	Metal	7 (3.2)
11922-X15	8 (2.4)	Metal	7 (3.2)
11922-X08	9 (2.7)	Metal	8 (3.6)

X=color: 7=Black, E=Glacier White

Finger Snaps Cable Guides

Adding Finger Snaps Cable Guides is a snap. The unique, patented design provides retrofit cable guides in-between the latches on VCS Vertical Cabling Sections or CCS Combination Cabling Sections.

- Plastic cable guides that easily retrofit onto CPI VCS Vertical Cabling Sections or CCS Combination Cabling Sections
- Resilient composite material ensures long lasting, quality construction
- Extra-wide and contoured guides allow smooth transition of the cable from the horizontal pathway into a CPI cabling section
- 1U cable guides are designed for fanning and managing patch cords or cables
- Meets UL 94V-O Flame Resistant standards
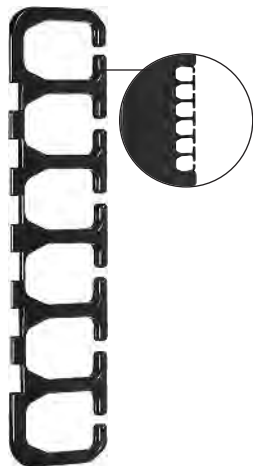
Part Number	Description	Shipping Weight lb (kg)
12370-001	2 Finger Snaps, Black	1 (0.5)
12370-002	12 Finger Snaps, Black	2 (0.9)

5.75"
(146.1 mm)
6.90"
(175.3 mm)
1U

Extended Fingers Bracket

Extended Fingers Bracket provides extra-deep cable management capacity for applications that require large cable bundles or thick cable.

Extra space also improves cable bend radius management, meeting or exceeding the needs of the latest Category 5e/6/6a or fiber industry standards. It is a cost-effective accessory for cable management in specific areas of the rack, rather than along its entire height.

• It is preassembled in 7U, 9U and 13U heights for mounting directly onto any industry-standard rack
• Patented cable guide fingers at 1U intervals provide an organized cable pathway
• Made of durable, flame-retardant (UL 94V-0) plastic for environmental safety
• Sold individually
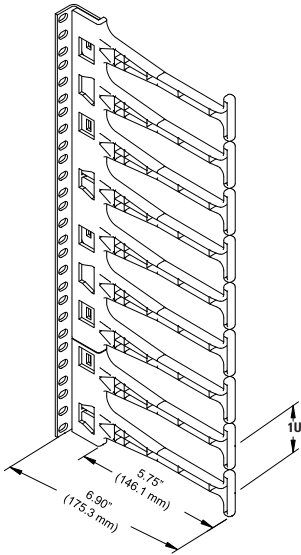
Part Number	Description	Shipping Weight lb (kg)
12891-X03	7U	2 (0.9)
12891-X01	9U	4 (1.8)
12891-X02	13U	4 (1.8)

X=color: 7=Black, E=Glacier White.

Horizontal Cable Guides

Rack-Mounted cable guides organize multiple horizontal cable runs. Designed to use with most rack-mounted panels.

• Slotted loop design makes cable installation and changes quick and simple
• Made of thick aluminum and black plastic dipped to reduce cable insulation damage
• Sold in matching pairs
• Threaded side holes allow mounting of vertical cable loop (P/N 10683-001)
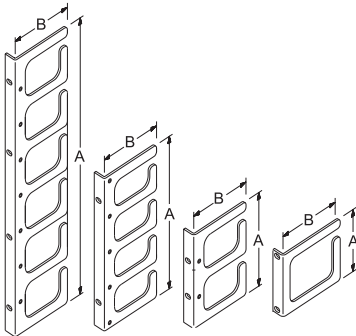
Part Number	Description	Dim. A in (mm)	Dim. B in (mm)
10419-001	One Loop	3.46 (87.9)	4.25 (108.0)
11157-001	Two Loop	5.25 (133.4)	3.88 (98.6)
11154-001	Four Loop	8.60 (218.4)	3.88 (98.6)
11153-001	Six Loop	15.60 (396.2)	3.88 (98.6)

IBM® Style Vertical Cable Loop

Used for vertical cable runs on most rack mounted equipment. Mounts in a variety of ways to equipment rack or connector panels. 1-1/2" (38 mm) hole to hole.

- Aluminum construction coated with black plastic to prevent cable scrapes
- Sold individually or in package of 100
- Mounting hardware not included
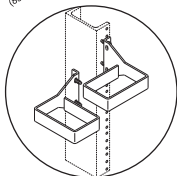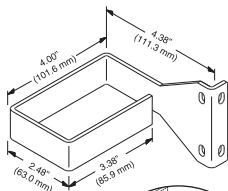
Part Number	Color	Shipping Weight lb (kg)
10683-001	Black	1 (0.5)
10683-101	Black, Package of 100	23 (10.4)

Vertical Wire Management Loop

CPI Vertical Wire Management Loops are used to organize patch cords and cabling. Maintains vertical wire management for one or two racks mounted together. Mounting hardware not included.

- Does not protrude into rack-mounting space
- Aluminum construction coated with black plastic to prevent damage to cable jackets
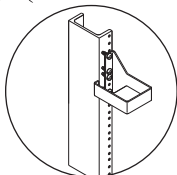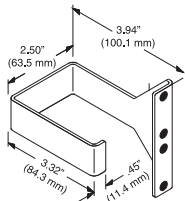
Part Number	Color	Shipping Weight lb (kg)
13079-001	Black	1 (0.5)

Double–Wide Cable Ring

Provides vertical cable management space between racks butted side-by-side by mounting to the hole pattern across two rack channels. Large size, 2.3"H x 2.8"W x 4"D (58 mm x 71 mm x 100 mm), accommodates larger cable bundles. Made of thick aluminum with rounded edges to reduce cable insulation damage. Sold individually or in box of 100. Shipping weight approximately 4 oz (110 g) each and 25 lb (11.3 kg) for box of 100. Mounting hardware not included.

- Mounts to hole pattern across two rack channels
- Provides vertical cable management for larger cable bundles
- Use where vertical cabling section is not required
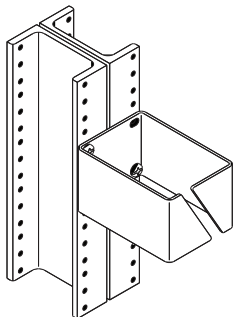
Part Number		Description
Individually	Box of 100	
12228-X01	12228-X11	Double-Wide Loop

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White.
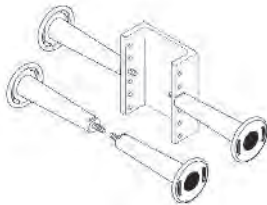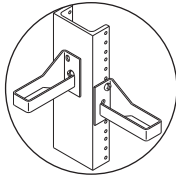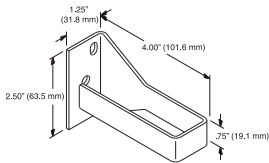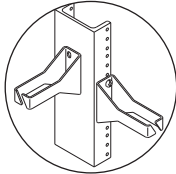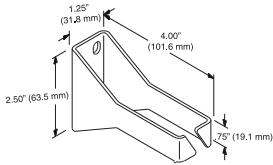
Narrow Cable Ring

Attaches to walls or racks where width is limited. Holds and dresses vertical cable runs. Mounting hardware not included.

• Made of aluminum with rounded edges to reduce cable insulation damage
• Narrow Cable Ring is 2.50"H x 1.25"W x 4.00"D (63.5 mm x 31.8 mm x 101.6 mm)
• Sold individually or box of 100

Part Number		Description
Individually	Box of 100	
11228-X01	11228-X11	Narrow Cable Ring

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White.

Narrow Cable Loop

Use these cable loops to hold and dress cable vertically. Attach to walls or racks where width is limited. Mounting hardware not included.

• Made of aluminum with rounded edges to reduce cable insulation damage
• Narrow Cable Loop is 2.50"H x 1.25"W x 4.00"D (63.5 mm x 31.8 mm x 101.6 mm)
• Sold individually or box of 100

Part Number		Description
Individually	Box of 100	
11230-X01	11230-X11	Narrow Cable Loop

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White.

Cable Distribution Spools

Cable Distribution Spools promote a gradual bend for cable runs to aid in complying with ANSI/TIA/EIA-568B bend radius requirements (typically 4X the cable diameter). Routes all types of cabling from horizontal to vertical or vice-versa.

• The kit includes a #12-24 rack screw and a wood screw for use with the 4" (100 mm) spool
• Made of high-impact plastic

15002-001

Part Number		Description in (mm)
Individually	Box of 100	
15002-001	15002-002	4 (100) Cable Spool
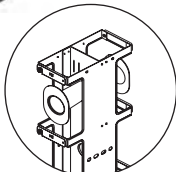
Spools mounted on a double-sided
vertical cabling section

Cable Distribution Spools

Cable Distribution Spools provide slack management and strain relief for
patch cords and jumper cables inside CPI vertical cable managers. Designed
for use inside any CPI double-sided vertical cable manager 10"W and wider,
including VCS, MCS, MCS-EFX, CCS, CCS-EFX and Evolution® g2 Double-Sided
Vertical Cable Manager. Also compatible with Evolution® g1 Single-Sided
Vertical Cable Manager.

- Three large cable distribution spools are included with each 10", 12" and 15"
  wide (250 mm, 300 mm and 380 mm) vertical cable manager (will not fit other
  sizes)
- Attaches to the fixed adapter panels on the back of single-sided vertical
  cable managers and the Movable Mid-Sections inside the double-sided
  vertical cable managers
- Spools are 2.75" (69.9 mm) in diameter and 5.9"L (150 mm) and made from
  black plastic
- Each kit includes four spools and mounting hardware
- Made of high-impact, flame retardant material

Part Number	Description/Color	Shipping Weight lb (kg)
15008-001	Spool Kit, Black	2 (0.9)
15008-002	Spool Kit, Computer Beige	2 (0.9)
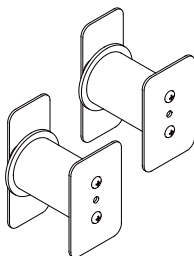
2" (50 mm) Diameter Fiber Management Spools

Use the 2" (50 mm) Diameter Fiber Management Spool to support fiber and
copper cables within CPI's extensive line of vertical cabling sections. The
spools meet EIA/TIA bend radius requirements and minimize cable tangles
and tears for more efficient data transmission.

- Provides proper cable support and bend radius for more efficient data
  transmission
- Maintains strength under heavy cable loads
- Mounts to all CPI vertical cabling sections 6"W (150 mm) or wider,
  including MCS, MCS-EFX, CCS, CCS-EFX and VCS

2" (50 mm) Diameter Fiber Management Spools			
Part Number	Application Width in (mm)	Package Of	Shipping Weight lb (kg)
12766-X02	For 6, 10 or 12 (150, 250 or 300) Double-Sided Cabling Sections	2	2 (0.9)
12766-X07	For 6, 10 or 12 (150, 250 or 300) Double-Sided Cabling Sections	7	5 (2.3)

X=color: 7=Black, E=Glacier White

Evolution® Horizontal Cable Manager

Use Evolution® Horizontal Cable Managers above and below patch panels and network switches to organize and store cables. Horizontal managers include plastic T-shaped cable guides to organize patch cords and jumper cords as the cords enter and exit the manager to make individual equipment connections. The snap-on cover matches the door styling on the vertical manager. Swing the cover up or down to access cables; the cover stays in the open position while cabling. Three edge-protected, oval-shaped pass-through ports allow patch cords to pass front-to-rear. Horizontal managers are available in three heights.
• Contoured front door with snap-hinges and longitudinal center feature contrasting aluminum finish
• Three 1.25"H x 2.12"W (31 mm x 53 mm) edge-protected oval cable pass-through ports at the rear of the cable manager
• Improved T-shaped cable guides decrease deflection when loaded with cables, especially important when deploying Cat 6a cable
• Rounded edges on the cable guides protect cables as they enter and exit the storage space
• Snap-On cover opens up or down and stays in the open position

Part Number	Description H x W x D in (mm)	Shipping Weight lb (kg)
35441-X01	1U x 19 x 8.2 (208)	4 (1.8)
35441-X02	2U x 19 x 8.2 (208)	5 (2.3)
35441-X03	3U x 19 x 8.2 (208)	6 (2.7)
35441-X04	4U x 19 x 8.2 (208)	7 (3.2)

X=color: 7=Black, E=Glacier White.

Velocity® Horizontal Cable Manager

Use Velocity® Horizontal Cable Manager above and below patch panels and network switches to organize and store cables. Features T-shaped cable guides at the top and bottom of the manager to organize patch cords. Two cable openings in the rear of the manager allow front-to-rear cabling, and the snap-on cover stays in the opened position to provide easy access to cables. The single-sided horizontal cable managers are available in three heights.
• Horizontal managers for open two-post and four-post CPI Rack Systems
• The Velocity Horizontal Cable Manager includes:
  - One 19"W EIA rack-mount cable manager with T-shaped cable guides
  - One cover that snaps onto the T-shaped cable guides
  - Four #12-24 x 1" rack-mount screws and four M6 x 25 mm rack-mount screws

Part Number	Description H x W x D in (mm)	Shipping Weight lb (kg)
13930-701	1U x 19 x 5.9 (150)	2 (0.9)
13930-702	2U x 19 x 5.9 (150)	3 (1.4)
13930-703	3U x 19 x 5.9 (150)	3 (1.4)

Color is black. 1U = 1.75" (44.45 mm); the overall height of the manager is .03" (0.16 mm) less than the full rack-mount unit height. Usable depth is 3.7" (94 mm). The usable height of the manager varies but is 1.2" (31 mm) less than the overall height of the manager at the narrowest point.

1U

2U

3U
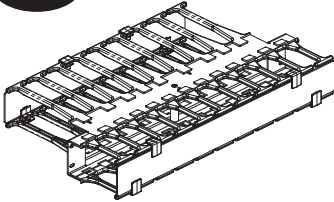
30530-X19
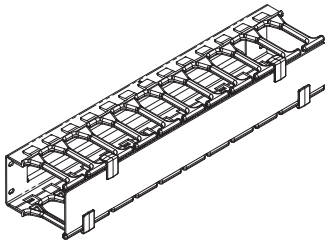
30130-X19
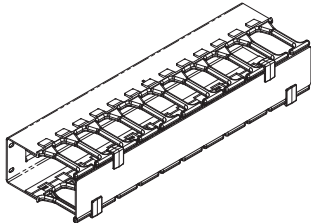
30330-X19

Use Universal Horizontal Cable Manager in conjunction with the CPI Patch Panel Wire Management Bar (P/N 12176-X01) and any of CPI's vertical cabling sections for clean, organized cable management.

Universal Horizontal Cable Manager

Create an attractive and highly functional horizontal pathway for patch cords and multimedia applications using coax, copper and fiber optic cables. After routing the cables or cords, simply snap on the cover for a clean, professional appearance.

- Extra-wide and contoured cable guide fingers, spaced 1.75" (44.5 mm) apart, separate and organize patch cords for quick and easy moves, adds and changes.
- The cable guides are offset to ensure proper bending radii of patch cables, even hooded patch cables
- Patented fingers meet the requirements of UL 94V-0 flammability rating
- Snap-on covers are easy to use and open 180° up or down with adjacent installation
- Covers and panel have a black powder-coat textured finish, reducing fingerprints and smudges

Double-Sided Universal Horizontal Cable Manager

Part Number	Description H x W x D in (mm)	Shipping Weight lb (kg)
30529-X19	1U x 19 x 11.73 (297.9)	5 (2.3)
30529-X23	1U x 23 x 11.73 (297.9)	6 (2.7)
30530-X19	2U x 19 x 11.73 (297.9)	6 (2.7)
30530-X23	2U x 23 x 11.73 (297.9)	7 (3.2)
30531-X19	3U x 19 x 11.73 (297.9)	6 (2.7)
30531-X23	3U x 23 x 11.73 (297.9)	7 (3.2)

X=color: 7=Black, E=Glacier White.

Single-Sided Universal Horizontal Cable Manager

Part Number	Description H x W x D in (mm)	Shipping Weight lb (kg)
30139-X19	1U x 19 x 4.96 (126.0)	2 (0.9)
30139-X23	1U x 23 x 4.96 (126.0)	3 (1.4)
30130-X19	2U x 19 x 5.14 (130.6)	3 (1.4)
30130-X23	2U x 23 x 5.14 (130.6)	4 (1.8)
30131-X19	3U x 19 x 5.14 (130.6)	4 (1.8)
30131-X23	3U x 23 x 5.14 (130.6)	5 (2.3)
30339-X19*	1U x 19 x 6.26 (159.0)	3 (1.4)
30339-X23*	1U x 23 x 6.26 (159.0)	3 (1.4)
30330-X19*	2U x 19 x 6.44 (163.6)	4 (1.8)
30330-X23*	2U x 23 x 6.44 (163.6)	5 (2.3)
30331-X19*	3U x 19 x 6.44 (163.6)	5 (2.3)
30331-X23*	3U x 23 x 6.44 (163.6)	6 (2.7)

*X=color: 7=Black, E=Glacier White. *Note: Deep Panel is used when Double-Sided MCS Master Cabling Sections are center-mounted on 3"D racks.*

12176-X01

13070-X19
13075-X19

12541X19
12542X19

12663-X01

11764-X19
11764-X23

Horizontal Cable Management Accessories

Patch Panel Wire Management Bar

19" rack-mountable bar provides the necessary wire management and strain relief required by ANSI/TIA/EIA-568-B. May be mounted inward for 6" (150 mm) channel or outward to standard 3" (80 mm) rack side channel; attaches to rack with standard #12-24 rack screws (not included). Wire tie holes maintain wire perpendicular relative to termination point; made of sturdy aluminum and sold individually.

Horizontal Wire Management Panel for VCS

19" Wire Management Panel is offset 1.5" (38 mm) from the rack channel to ensure proper bending radii of patch cables, even hooded patch cables. Use in combination with VCS Vertical Cabling Sections. Unique offset design provides patch cable pathway from front-to-back or side-to-side. Available in single 1.75" (44.5 mm) or double 3.5" (89.0 mm) rack-mounting units design. Mounts quickly and easily using threaded cable distribution spools; cable distribution spools maintain bend radius through the pass-through trough and across the front plane of the horizontal manager.

Horizontal Wire Management Panel for MCS and CCS

Use in combination with MCS Master Cabling Section and CCS Combination Cabling Section to provide open horizontal management for cables.

Clip-On Cable Cover

The Clip-On Cable Cover is designed for use with the CPI 19" Horizontal Wire Management Panels. Attach to the horizontal wire management panel by simply sliding/clipping it into place.
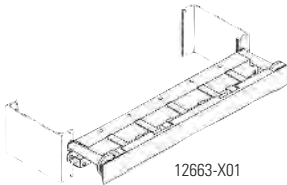
Slip-On Cover, Ring Panel

The Slip-On Cover is used on the Large Horizontal Ring Panel, P/N 11564-XXX. Sold individually
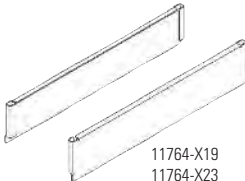
Part Number	Description	Shipping Weight lb (kg)
12176-X01	Patch Panel Wire Mangement Bar	1 (0.5)
13070-X19	Horizontal Wire Panel for VCS, 1U	2 (0.9)
13075-X19	Horizontal Wire Panel for VCS, 2U	2 (0.9)
12541-X19	Horizontal Wire Panel for MCS/CCS, 1U	2 (0.9)
12542-X19	Horizontal Wire Panel for MCS/CCS, 2U	2 (0.9)
12663-X01	Cable Cover for 13070-XXX, 1U	2 (0.9)
12663-X02	Cable Cover for 13075-XXX, 2U	2 (0.9)
11764-X19	Slip-On Cover, 19"W, for 11564-X19	2 (0.9)
11764-X23	Slip-On Cover, 23"W, for 11564-X23	2 (0.9)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White.

2U
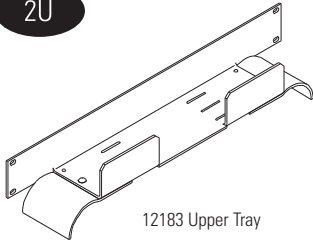
12183 Upper Tray

2U
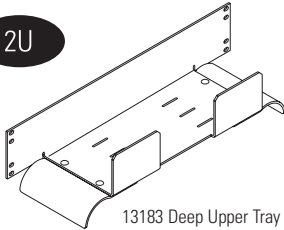
13183 Deep Upper Tray

2U

2.28"
(57.9 mm)

3.50"
(88.9 mm)
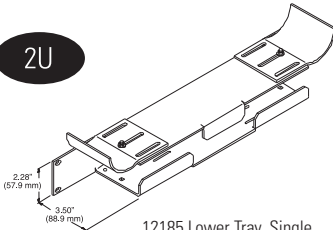
12185 Lower Tray, Single

3U

3.97"
(100.8 mm)

3.50"
(88.9 mm)
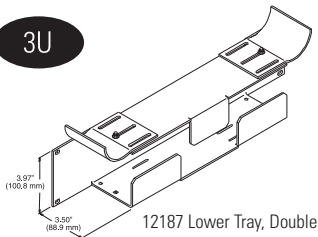
12187 Lower Tray, Double

15.50"
(393.7 mm)
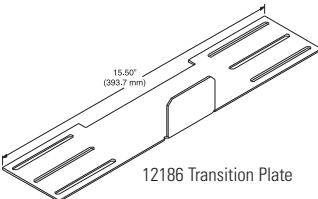
12186 Transition Plate

Jumper And Transition Trays

The Jumper and Transition Trays aid in compliance with ANSI/TIA/EIA-568B bend radius requirements. Two styles are available to provide upper and lower horizontal/vertical cable management and promote a gradual, controlled bend for both UTP and optical fiber cable. Adjust the position of the bend radius to deliver cables into the vertical cable manager or attach a transition plate between trays to create a solid wire way between racks. Mounting screws not included. Sold individually.

- Provides 1-1/2" (38 mm) bend radius for compliant installation of Category 5e/6/6a or fiber cable
- Telescopes to adjust cable entry or exit position
- Mounts on 19" or 23" rack; may also be wall-mounted
- Strong lightweight aluminum construction

Part Number		Description	Shipping Weight lb (kg)
19"	23"		
12183-X19	12183-X23	Upper Tray, 3.5"D (89 mm)	3 (1.4)
13183-X19	13183-X23	Upper Tray, 6"D (150 mm)	4 (1.8)
12185-X19	12185-X23	Lower Tray, Single, 3.5"D (89 mm)	4 (1.8)
12187-X19	12187-X23	Lower Tray, Double, 3.5"D (89 mm)	5 (2.3)
12186-X01	N/A	Transition Plate, 15.5"L (394 mm)	2 (0.9)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White.
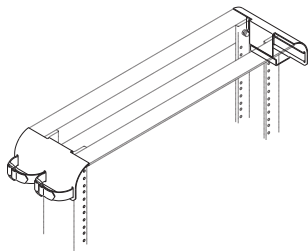
12392-X06
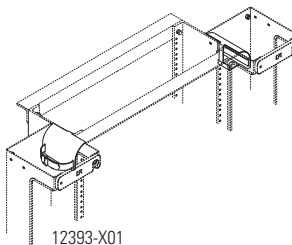
12393-X01
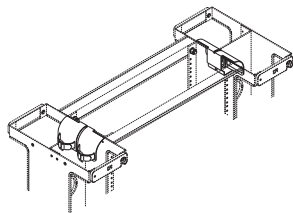
12394-X01
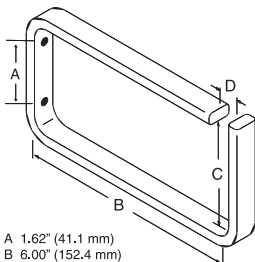
A 1.62" (41.1 mm)
B 6.00" (152.4 mm)
C 2.85" (72.4 mm)
D 0.56" (14.2 mm)

Rack Radius Drop

The Rack Radius Drop provides a transition from a horizontal cable run onto a rack, while maintaining the recommended bend radius. Cable bundles are held securely in place on the Rack Radius Drop by using the included Saf-T-Grip® Center Grommet Buckle Cable Management Strap; 9"L (230 mm) for 12392-X09 and 12393-X01 and 6"L (150 mm) for 12392-X06 and 12394-X01 only.

Note: For UTP and STP-A, the required bend radius is no less than four times the cable diameter. For optical fiber, the required bend radius is either 10 times the cable diameter or 1.2" (30 mm), whichever is larger (reference BICSI TDDM).

Three styles are available:

1) 3" (80 mm) or 6" (150 mm) rack channels without vertical rack cabling sections use P/N 12392-X06, 3"(80 mm) or 12392-X09, 6"(150 mm).
2) Single sided vertical rack cabling managers use P/N 12393-X01
3) Double sided vertical rack cabling managers use P/N 12394-X01
• Provides an organized method to transition from horizontal cable run onto the rack, while maintaining bend radius; styles offered for use with or without vertical rack cabling sections
• Provides 1-1/2" (38 mm) bend radius
• Quick and easy slip-on installation onto rack channel
• Sold individually

Part Number	Description in (mm)	Shipping Weight lb (kg)
12392-X06	Rack Radius Drop for 3 (80) Rack Channels w/o Vertical Cabling Sections	1 (0.5)
12392-X09	Rack Radius Drop for 6 (15) Rack Channels w/o Vertical Cabling Sections	1 (0.5)
12393-X01	Rack Radius Drop For Use with Single Sided Vertical Cabling Section	1 (0.5)
12394-X01	Rack Radius Drop For Use with Double Sided Vertical Cabling Section	1 (0.5)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White.

Large Horizontal Cable Ring

This is the same ring used on our Large Horizontal Ring Panel series 11564. Sold individually and in quantities of 50.
• Provides horizontal cable management on wall
• 2.8"H x 6"W (71 mm x 150 mm) heavy duty aluminum rings
• Rounded edges protect cable sheaths

Part Number		Description	Shipping Weight lb (kg)
Each	Box of 50		
11563-X01	11563-X50	Cable Ring	19 (8.6)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White.

2U
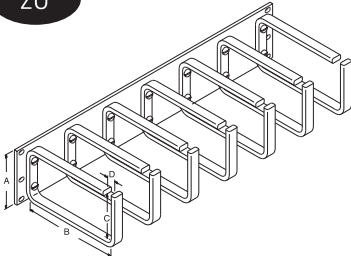
A 3.47" (88.1 mm)
B 6.00" (152.4 mm)
C 2.85" (72.4 mm)
D 0.56" (14.2 mm)

Large Horizontal Ring Panel

Used to organize horizontal cable runs. Large 2.8"H (71 mm) by 6"W (150 mm) heavy duty aluminum rings with rounded edges protect cable sheaths and will not bind during installation. Rings are bolted onto panels, so they can be added or removed as needed. 19" and 23" wide rack panel options come pre-assembled with seven equally spaced rings.

• 2.8"H x 6"W (71 mm x 150 mm) heavy duty aluminum rings
• Rings can be added or removed as needed
• Installation hardware not included
• Shipping weight approximately 5 lb (2.3 kg)

Part Number		Description
19"	**23"**	
11564-X19	11564-X23	Ring Panel

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White.

1U

1.72"
(43.7 mm)
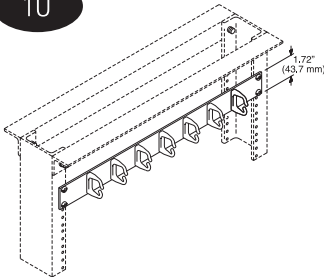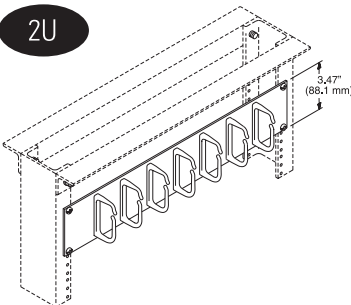
Rack Cabling Managers

Used to organize horizontal cable and wire runs. Two sizes of slotted plastic rings provide ample room to hold all types and sizes of wiring and cabling.
• Easy to install on equipment racks
• Installation hardware not included

2U

3.47"
(88.1 mm)

1175	Rack Cabling Managers	
	Panel/Ring Size **H x D - in (mm)**	
2	1U, 1.6 x 1.3 (41 x 33) Rings	
3	2U, 3 x 1.6 (80 x 41) Rings	
	Color	
1	Gray	
2	Computer Beige	
5	Clear	
7	Black	
E	Glacier White	
	Rack Width	
19	19"W	
23	23"W	

1175	X	-	X	XX

Open Loop Series

Saf-T-Grip® Open Loop Series

Used to strap together free hanging computer cable for a tangle-free installation. Strap is held in place by a loop that adheres to one cable. Simply peel the hook and loop sides apart to remove strap.

Saf-T-Grip® End Grommet Buckle Series

The buckle design provides extra strength for those harder to manage cables. Mounts cable along walls and backboards or wherever horizontal cable runs are required. Wrap this strap around the cable and back through the nylon buckle. Pull snugly, cinching down the cable for secure fit.

Saf-T-Grip® Center Grommet Buckle Series

The buckle design provides twice the holding strength of ordinary straps. Unique center grommet feature provides a sturdy fixture for attaching straps in any direction. Simply loop the strap around cables and back through the buckle. Secure cinch back and down for a secure hold.

Center Grommet & Buckle Series

Saf-T-Grip Strap Series Type	
020	Open Loop Series (pkg. of 25)
050	End Grommet & Buckle Series (pkg. of 25)
060	Center Grommet & Buckle Series (pkg. of 25)

Strap Length - in (mm)	
06	6 (150), for 2 (50) diameter cable bundles
09	9 (230), for 3 (80) diameter cable bundles
12	12 (300), for 4 (100) diameter cable bundles

Strap Width - in (mm)	
2	3/4 (19.1)

Strap Colors	
01	Black
03	Royal Blue

0X0	XX	-	X	XX

Open Composite Distribution Ring
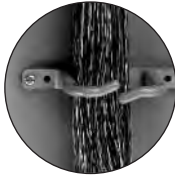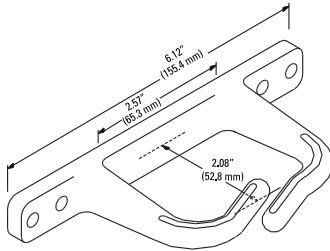
Supports cable and wire in communication closets, on backboards, equipment racks or wherever cable runs are required. These rings are made of high-strength, fire-retardant material with rounded edges to prevent damage to cable and wire insulation, while providing easy pull-through. Mounting hole configuration allows rings to be attached to most surfaces, including our equipment racks. The open designed "C" rings allow for easy adds, moves and changes, eliminating the need to feed through cable. Mounting hardware not included.

• Organizes equipment wiring and cabling
• Strong, lightweight composite construction
• Eliminates cable nicks, great for wire pulling
• Split ring style allows easy additions or changes to cable runs
• Molded of fire-retardant material

Part Number	Description Width in (mm)	Shipping Weight lb (kg)
12035-001	2 (50) Open "C" Ring, Gray	1 (0.5)
12035-011	Carton of 100	6 (2.7)

Channel-Mounted Distribution Ring
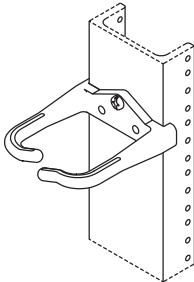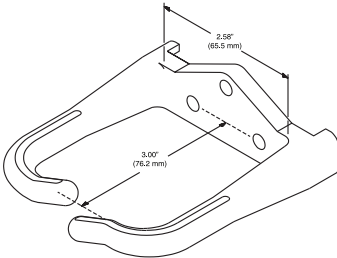
Designed to mount to the upright channels of CPI Universal Racks. Made of high-strength, fire-retardant material with rounded edges to prevent damage to cable and wire insulation, while providing easy pull-through. The open-design "C" rings allow for easy adds, moves and changes, eliminating the need to feed through cable. Mounting hardware not included.

• Mounts on CPI Universal Racks only
• Organizes equipment wiring and cabling
• Strong, lightweight composite construction
• Split ring style allows easy additions or changes to cable runs
• Molded of fire-retardant material
• Sold individually and in quantities of 100
• Internal dimensions: 2.58" W (65.5 mm) x 3"D (76.2 mm)
• Overall dimensions: 3.58" (90.9 mm) x 3.93" (99.8 mm); projects 3.68" (93.5 mm) past the sides of the rack channel

Part Number		Description	Shipping Weight lb (kg)
Each	Box of 100		
11125-001	11125-011	3 (80) Open "C" Ring, Beige	9 (4.1)
11125-013	11112-013	3 (80) Open "C" Ring, Black	9 (4.1)

Shipping Weights are for Box of 100.

11125 shown on Rack

6.12"
(155.4 mm)

2.80"
(71.1 mm)

3.37"
(85.6 mm)

4.87"
(123.7 mm)

1.86"
(47.2 mm)

2.37"
(60.2 mm)

10812-001

12127-001

Closed Composite Distribution Rings

With Distribution Rings, all your wiring and cabling can now be neatly and easily organized and managed. Designed to support cable and wire in communication closets, on backboards, equipment racks or wherever cable runs are required. The versatile brackets are made of high-strength, fire-retardant composite material. Rounded edges prevent damage to cable and wire insulation, while providing easy pull-through. Mounting hole configuration allows brackets to be attached to most surfaces including our equipment racks. Color is compatible with most equipment. Mounting hardware not included.

• Strong, lightweight, fire-retardant composite material construction
• Easy to install onto CPI equipment racks or backboards
• Rounded shape eliminates cable nicks, great for wire pulling
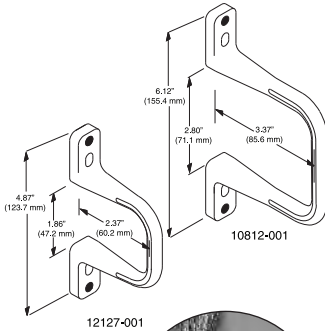
Part Number		Description	Shipping Weight lb (kg)
Each	Box of 100		
12127-001	12127-011	2 (50) Closed "D" Ring	6 (2.7)
10812-001	10812-011	3 (80) Closed "D" Ring	9 (4.1)

Color is gray. Shipping Weights are for Box of 100.

2.25"
(67.2 mm)

5.12"
(130.0 mm)

2.12"
(53.8 mm)

.188" DIA.
(4.78 mm)

10941-000

3.25"
(82.6 mm)

6.12"
(155.4 mm)

3.12"
(79.2 mm)

.188" DIA.
(4.78 mm)

10942-000

3.25"
(82.6 mm)

8.12"
(206.2 mm)

5.12"
(130.0 mm)

.188" DIA.
(4.78 mm)

10943-000
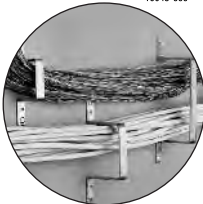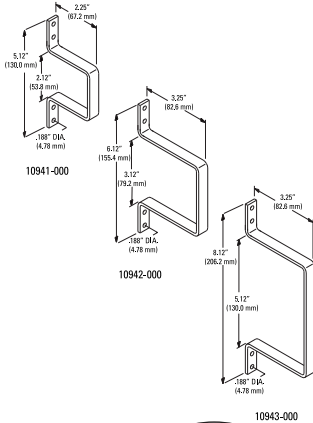
Metal D-Rings

A convenient and economical way to route, support and secure cables and jumper wires in terminal closets or wherever cable runs are required.
• Offered in three standard sizes
• Made from 1/8" x 1/2" (3.18 mmm x 13 mm) hot-rolled steel strap with zinc plating to resist corrosion
• Ring edges are rolled to prevent nicks and scratches in the cable and wire insulation
• Mounting hardware not included

Part Number		Description	Shipping Weight lb (kg)
Each	Box of 100		
10941-000	10941-010	Small Rings	16 (7.3)
10942-000	10942-010	Medium Rings	22 (10.0)
10943-000	10943-010	Large Rings	24 (10.9)

Shipping Weights are for Box of 100.

Nylon

.93"
(23.6 mm)

4.65"
(118.1 mm)

.876"
(22.3 mm)

.88"
(22.4 mm)

1.0"
(25.4 mm)

6.00"
(152.4 mm)

Aluminum

Stand-Off Tie Bracket
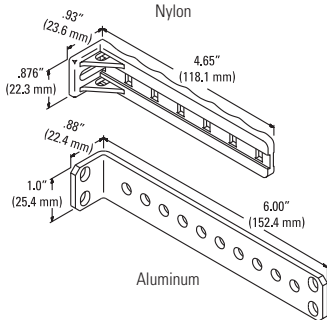
These brackets mount to the back of the rack channel to provide a convenient point to tie-down cable runs.
• Choice of either non-conductive nylon or high strength aluminum
• Either end of the aluminum bracket can be attached to rack, allowing cabling to run several different ways
• Mounting hardware not included

Part Number		Description	Shipping Weight lb (kg)
Each	Box of 50		
10001-001	10001-050	1 x 5 (30 x 130), White Nylon	3 (1.4)
10559-X00	10559-X50	1 x 6 (30 x 150), Aluminum	5 (2.3)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White. Shipping Weights are for Box of 50.

Cable Strain Relief Bracket
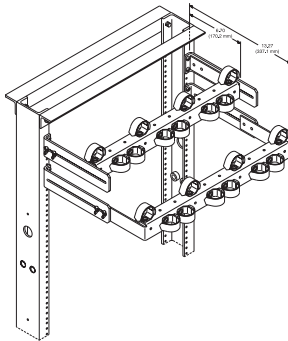
Have you ever pulled cables out of rack-mounted equipment accidentally? Do you need to maintain a minimum bend radius for your cabling? Our rack-mounted cable strain relief is the answer. Made of high-strength aluminum, it includes ten flexible Saf-T-Grip® Cable Management Straps. This bracket can be mounted at desired height and depth to position straps right where you need them. Reusable rivets allow Saf-T-Grips to be added or removed as required. Aluminum construction.
• Mounting hardware not included

Part Number	Description	Shipping Weight lb (kg)
11570-X19	19" Rack	1 (0.5)
11570-X23	23" Rack	1 (0.5)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White.

Jack Plate Wall–Mounting Bracket
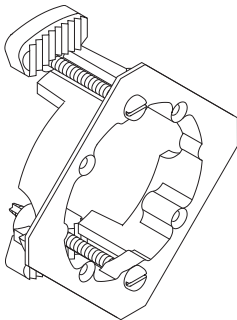
This innovative flush-mount wall board bracket is designed to hold round style modular jack plate assemblies. To install, simply drill a 2-3/8" (60.33 mm) diameter hole into dry wall, insert bracket into hole and using a flat blade screwdriver, tighten patented sure-grip pads to hold securely in place. Adjustable pads handle most wall sizes up to 1" (25.4 mm) thick. Clear plastic flush mount design is invisible when installed. Four screws hold pattern to fit round modular jack rings. Includes two #6-32 machine screws. For AT&T and Regional Bell Operating Co., use with modular jack plate assemblies such as Allen-Tel AT218 or Suttle SE-625B2 (not included).

Part Number		Description	Shipping Weight lb (kg)
Each	Box of 200		
20502-002	20502-022	Jack Plate Wall-Mounting Bracket	12 (5.4)

Mag-Clips, Medium Sized

The medium sized 17000 and 17100 magnetic clips are designed to hold a 25-pair cable or several electrical cords. Keeps cables within workstation areas neat and off of the floor to reduce the danger of accidents. Nylon cable ties can be laced through the four square holes in the top of the 17000 series to secure additional cables.
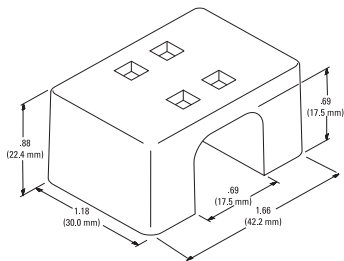
Part Number		Description	Shipping Weight lb (kg)
Each	Box of 50		
17000-X00	17000-X50	Clip With Holes	7 (3.2)
17100-X00	17100-X50	Clip Without Holes	7 (3.2)

X=color: 0=Gray, 1=Computer Beige. Shipping Weights are for Box of 50.

Mag-Clips, Large

This larger clip holds a 100-pair telephone cable or up to 1" (30 mm) diameter tubing. There are also holes provided to lace additional cords to the top of the clip. The amount of direct pull required to separate the clips from a painted steel surface averages 15 lb (67 kg).
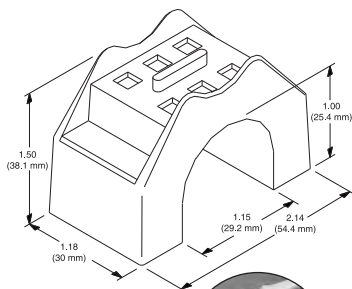
Part Number		Description	Shipping Weight lb (kg)
Each	Box of 25		
17500-X00	17500-X20	Clip	7 (3.2)

X=color: 0=Gray, 1=Computer Beige, 2=White. Shipping Weights are for Box of 25.

Mag-Clips, Wrap-Around Clasp

The wrap-around clasp easily secures a 25-pair cable, approximately 7/16" (11.113 mm) diameter, or a similar size cable, cord or tubing. The double-magnetic style has extra clasp-mounting screws allowing them to hold two cables with the addition of another clasp. Incorporate either a single or double magnet assembly to provide sufficient holding power.

• Direct pull required to separate these magnets from a painted surface averages 5 lb (22 kg) for the single magnetic style and 12 lb (53 kg) for the double magnet style
• Finished in Chem Film over zinc plating
• Extra clasps may be ordered separately
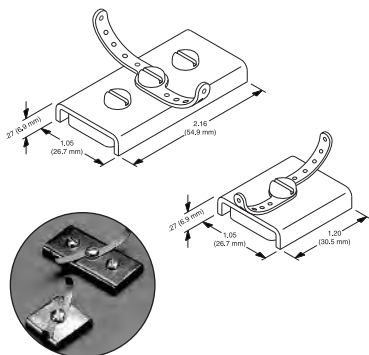
Part Number	Description	Shipping Weight lb (kg)
17250-000	Single Wrap-Around Clip	1 (0.5)
17350-000	Double Wrap-Around Clip	1 (0.5)
17260-001	Extra Clasps, Small	1 (0.5)
17260-002	Extra Clasps, Large	1 (0.5)

CABLE RUNWAY & TRAY PRODUCTS

Cable Runway, Wire Mesh Cable Tray & Accessories
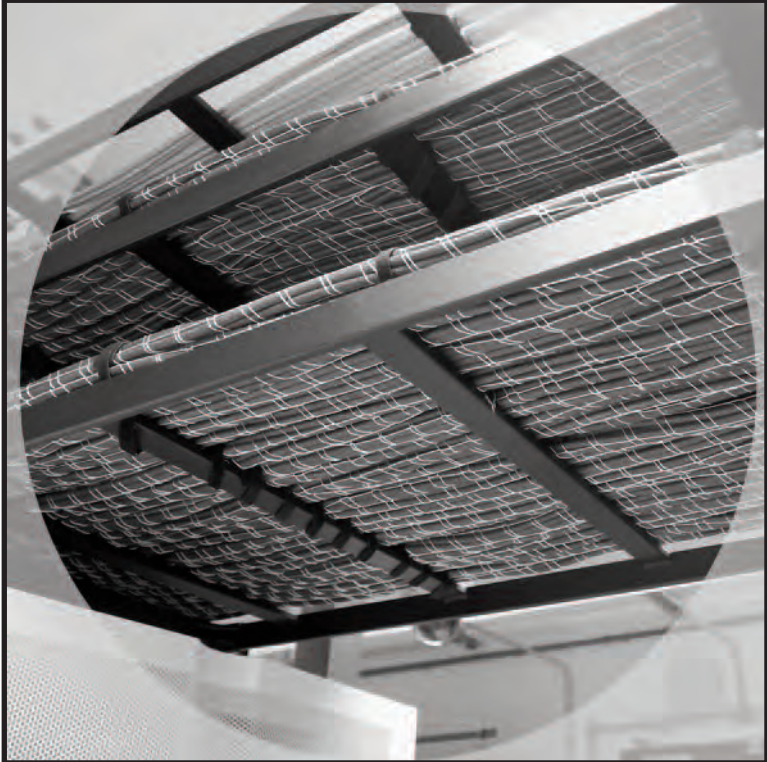
CABLE RUNWAY & TRAY PRODUCTS

As long-time developers of quality Cable Runway and Tray Products, CPI understands that installing a cable system goes beyond cable management (Section 5) and connecting two points together. As building designs change and data center needs evolve, Cable Runway and Tray Products must be sturdy, dependable and able to meet the latest standards. As a vital part of the IT infrastructure solution, CPI meets ANSI/TIA/EIA installation guidelines for Category 5e/6/6a and fiber cables by providing horizontal, vertical and backbone pathways from the data center to workstations. UL Classified versions are also available to meet specific code or job requirements.

CPI Runway Products offer complete runway and ladder rack solutions that integrate pathway systems within and outside of the equipment room and under access floors. Spanning from the point of entry/exit into the telecommunications or equipment room, to cross-connects between racks and cabinets, CPI can supply a backbone or horizontal cable solution for any situation.

Overcome structural obstacles with the flexible pathway solutions found among CPI's Cable Tray Products. Installed quickly and easily, these cabling solutions can be cut to form smooth curved transitions that adapt to any obstruction or infrastructure need.

CPI Cable Runway & Tray Products feature:
- High-quality construction and design
- Promotes proper cable bend radii for better data transmission
- Decreases cable damage
- Simplifies equipment moves, additions and changes
- Prevents tangled cords
- Meets ANSI/TIA/EIA installation guidelines for Category 5e/6/6a and fiber cables
- UL Classified cable runway and tray options available to meet specific job requirements

Featured Product:
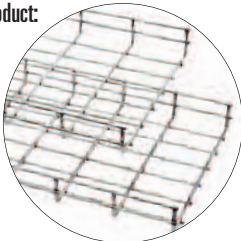
OnTrac® Wire Mesh Cable Tray now available in two styles: Shaped Tray and Standard Tray, Page 7-3.

Additional standard finishes (Glacier White) for most Runway and Cable Tray ProductS.

OnTrac® Wire Mesh Cable Tray System

CPI's OnTrac® Wire Mesh Cable Tray System is an excellent solution for indoor cable pathway applications to create point-to-point pathways for network cabling in data centers, network equipment rooms and office spaces. In addition to standard tray, we now offer OnTrac Shaped Tray as an option when supporting high performance and high density cabling. OnTrac Wire Mesh Cable Tray is available in two styles: Shaped Tray and Standard Tray. Shaped Tray is the best choice for high density cabling applications because it features flattened cross wires to provide a larger surface for supporting cables.

Select tray size based on cable fill (www.chatsworth.com/cablefill) requirements considering the space available for trays in the location. Some sites will use multiple sizes. When stacked, leave at least 12" (300 mm) between trays. Trays are sold in standard 10'L (3 m) lengths. Note that the trays are available in different finishes, but both tray styles use the same splices, supports and accessories.

Shaped Tray features 400% larger contact surface, up to 63% reduction in cabling strain.

Part Number *Pre-Galvanized		Nominal Dimensions		Cable Fill Area		Estimated Cable Fill	Max. Load 6'L (1.8 m) Span		Splices	Shipping Weight lb (kg)
Shaped Tray	Standard Tray	Height in (mm)	Width in (mm)	in²	mm²	.30" OD Cable	lb/ft	kg/m	Min. Qty.	
36811-604	34811-604	2 (50)	4 (100)	8.2	5290	58	43	63.9	2	11 (5.0)
36811-606	34811-606	2 (50)	6 (150)	12.4	8000	88	50	74.4	4	12 (5.4)
36811-608	34811-608	2 (50)	8 (200)	16.6	10 710	117	52	77.3	4	14 (6.4)
36811-612	34811-612	2 (50)	12 (300)	24.8	16 000	175	58	86.3	4	17 (7.7)
36811-616	34811-616	2 (50)	16 (400)	33.4	21 550	236	70	104.1	4	20 (9.1)
36811-618	34811-618	2 (50)	18 (450)	37.6	24 260	266	70	104.1	4	21 (9.5)
36811-620	34811-620	2 (50)	20 (500)	41.8	26 970	296	73	108.6	5	23 (11.8)
36811-624	34811-624	2 (50)	24 (600)	50.2	32 390	355	75	111.6	5	26 (11.8)
36821-604	34821-604	4 (100)	4 (100)	15.6	10 060	110	45	66.9	4	14 (6.4)
36821-606	34821-606	4 (100)	6 (150)	23.6	15 230	167	49	72.9	5	16 (7.3)
36821-608	34821-608	4 (100)	8 (200)	31.6	20 390	224	78	116.0	6	18 (8.7)
36821-612	34821-612	4 (100)	12 (300)	47.2	30 450	334	78	116.0	6	21 (8.5)
36821-616	34821-616	4 (100)	16 (400)	63.6	41 030	450	108	160.7	7	24 (10.9)
36821-618	34821-618	4 (100)	18 (450)	71.6	46 190	506	116	172.6	7	25 (11.3)
36821-620	34821-620	4 (100)	20 (500)	79.6	51 350	563	116	172.6	7	27 (12.2)
36821-624	34821-624	4 (100)	24 (600)	95.6	61 680	676	116	172.6	8	30 (13.6)
36831-608	34831-608	6 (150)	8 (200)	47.4	30 580	335	116	172.6	6	22 (10.0)
36831-612	34831-612	6 (150)	12 (300)	70.8	45 680	501	123	183.0	6	25 (11.3)
36831-616	34831-616	6 (150)	16 (400)	95.4	61 550	675	123	183.0	7	28 (12.7)
36831-618	34831-618	6 (150)	18 (450)	107.4	69 290	760	127	189.0	7	29 (13.2)
36831-620	34831-620	6 (150)	20 (500)	119.4	77 030	845	127	189.0	7	31 (14.1)
36831-624	34831-624	6 (150)	24 (600)	143.4	92 520	1014	150	223.2	8	34 (15.4)

Notes: 1) Above part numbers have a <u>pre-galvanized finish and are UL Classified in U.S. only</u> except for 2"H x 4"W (50 mm x 100 mm) Standard Tray (P/N 34811-X04), which is not UL Classified regardless of finish.
2) Above products also available in Black (-7XX) and Glacier White (-EXX) finishes. Only Standard Tray is available in Zinc electroplate finish (-5XX). Black, Glacier White and Zinc finishes are UL Classified in the U.S. and Canada. Zinc electroplate finish has longer lead time.
3) Max. Load is reduced by 20% (multiply by 0.8) when tray is spliced using the Spring Splice Kit (P/N 34834-501 or 34834-701). Spring Splice Kit cannot be used with Shaped Tray.
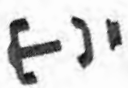
34738-X01

34728-X01

34834-X01

34739-X01

34746-X01

34728-X02

34740-X01

OnTrac® Wire Mesh Tray Accessories

Standard Splice Kit
Use to connect sections of cable tray together end-to-end at intersections and turns. Each splice kit includes: a stamped washer with a fixed screw, a contoured splice washer and a flange nut. The two splice halves wrap around adjacent wires connecting the tray together.

Splice Washer & Bolt Kit
Use with Splice Bar (P/N 34739-X01) to connect trays together end-to-end for securing to ceiling, wall and access floor supports or to attach accessories. Includes splice washers, carriage bolts and a flange nuts.

Spring Splice Kit
Use to connect sections of Standard Tray together end-to-end. Cannot be used with Shaped Tray. Quick installation with included tool; sold in packs of 50.

Splice Bar
Use with splices from the Splice Washer & Bolt Kit (P/N 34728-X01) to create secure end-to-end connection between cable tray sections. Attaches to the side of the tray using three splice washers from the Splice Washer & Bolt Kit (P/N 34728-X01). Recommended for all trays that are 18"W (450 mm) or wider. Manufactured from steel, 10.8"L (274.6 mm).

Clamp Washer
Securely fasten two layers of wire mesh when connecting trays at 90° bends or intersections or to attach tray to support. Attaches to the tray using a carriage bolt and flange nut from P/N 34728-X02.

Carriage Bolt Hardware
Use with Clamp Washer to connect wire mesh trays together. Includes carriage bolt and flange nut. Use to attach dividers and horizontal radius together.

90˚ Splice Bar Kit
Create a secure 90° T- or L-shaped intersection between two cable tray sections. Kit includes all hardware needed to make one 90° intersection (two 90° Splice Bars, eight contoured splice washers, four Clamp Washers and ten 1/4-20 x 3/4"L carriage bolts and flange nut. 90° T-shaped or two L-shaped splice bars are manufactured from steel, 5-31/32" (152 mm).

Part Number & Finish		Description	Shipping Weight lb (kg)
Black	Zinc		
34738-701	34738-501	Standard Splice Kit, Pack of 50	11 (5.0)
34728-701	34728-501	Splice Washer & Bolt, Pack of 50	2 (0.9)
34834-701	34834-501	Spring Splice Kit	9 (4.1)
34739-701	34739-501	Splice Bar, Pack of 50	12 (5.4)
34746-701	34746-501	Clamp Washer, Pack of 25	2 (0.9)
34728-702	34728-502	Carriage Bolt Washer, Pack of 50	2 (0.9)
34740-701	34740-501	90˚ Splice Bar Kit	2 (0.9)

34734-7XX

34730-7XX

34731-701

L Support Bracket Kit

Use to support a wire mesh cable tray pathway along a wall or under a floor, Installation requires two 3/8" lag bolts and two flat washers for plywood backer boards or two 1/4" hex cap bolts, two flat washers and two appropriate anchors for concrete walls (order separately). Use the 16"W (400 mm) or smaller version to support cable tray from an access floor pedestal. Attach to the pedestal with a single Pedestal Clamp Bracket Kit (P/N 34737-X01); floor height must be at least 12" (300 mm). Attach tray to the L Support Bracket with two splice washers from the Splice Washer & Bolt Kit (P/N 34728-X01), or use the fold-over tab at the end of the bracket to secure the tray. Can be used to support multiple trays of varying widths; the combined width of multiple trays must not exceed the width of the tray stated in the order table below. Manufactured from steel; length varies, sold individually.

Trapeze Support Bracket

Use to support wire mesh cable tray from the ceiling using a pair of threaded rods. Installation requires a pair of 1/2", 3/8" or 1/4" threaded rods, four hex nuts, two (1/2") or four (3/8", 1/4") flat washers, two split lock washers and two appropriate anchors/ceiling clamps (order separately). Tray attaches to the Trapeze Support Bracket with two slice washers from the Splice Washer & Bolt Kit (P/N 34728-X01). Can be used to support multiple trays of varying widths; the combined width of multiple trays must not exceed the width of the tray stated in the order table below. Manufactured from steel; length varies, sold individually.

Edge Hanger

Use in pairs to support wire mesh cable tray from the ceiling using threaded rod. Installation requires a single 3/8" or 1/4" threaded rod, two hex nuts, one 3/8" or 1/4" flat washers, one split lock washer and an appropriate anchor/ceiling clamp (order separately). The side of the tray is supported in the two J-shaped hooks at the bottom of the hanger; use pliers to close hooks and secure tray once cable has been loaded. Use in pairs to support a single cable tray. Manufactured from steel.

Part Number	Description Width in (mm)	Shipping Weight lb (kg)
34734-X04	L Support Bracket, for 4 (100) Tray	1 (0.5)
34734-X08	L Support Bracket, for 8 (200) Tray	2 (0.9)
34734-X12	L Support Bracket, for 12 (300) Tray	2 (0.9)
34734-X16	L Support Bracket, for 16 (400) Tray	3 (1.4)
34734-X20	L Support Bracket, for 20 (500) Tray	3 (1.4)
34734-X24	L Support Bracket, for 24 (600) Tray	4 (1.8)
34730-X12	Trapeze Support Bracket, for 12 (300) Tray	2 (0.9)
34730-X16	Trapeze Support Bracket, for 16 (400) Tray	2 (0.9)
34730-X20	Trapeze Support Bracket, for 20 (500) Tray	3 (1.4)
34730-X24	Trapeze Support Bracket, for 24 (600) Tray	3 (1.4)
34731-X01	Edge Hanger, Pack of 50	7 (3.2)

X=finish; 5=Zinc, 6=Pre-Galvanized, 7=Black, E=Glacier White.

ONTRAC® WIRE MESH CABLE TRAY ACCESSORIES

34729-7XX

34733-7XX

34735-7XX

Center Support Bracket

Use to support wire mesh cable tray from the ceiling with a single 3/8"
threaded rod. Attach tray to the Center Support Bracket with two splice
washers from the Splice Washer & Bolt Kit (P/N 34728-X01), or use fold-over
tabs to secure the tray on all sizes except the 4"W (100 mm) version. Used to
support a single cable tray. Manufactured from steel; length varies, sold
individually.

Triangle Support Bracket

Use to support a wire mesh cable tray pathway along a wall. Installation
requires two 3/8" lag bolts and two flat washers for plywood backer boards or
two 1/4" hex cap bolts, two flat washers and two appropriate anchors for
concrete walls (order separately). Attach Tray to the Triangle Support Bracket
with two splice washers from the Splice Washer & Bolt Kit (P/N 34728-X01),
or use the fold-over tab at the end of the bracket to secure the tray.
Manufactured from steel; height and length vary, sold individually.

Wall-Mount Angle

Use to support the end of wire mesh cable tray against the wall. Installation
requires two 1/4" lag bolts and two flat washers for plywood backer boards or
two 1/4" hex cap bolts, two flat washers and two appropriate anchors for
concrete walls (order separately). Tray attaches to the Wall-Mount Angle with
two splice washers from the Splice Washer & Bolt Kit (P/N 34728-X01).
Manufactured from steel; length varies, sold individually.

Part Number	Description Width in (mm)	Shipping Weight lb (kg)
34729-X04*	Center Support Bracket, for 4 (100) Tray	1 (0.5)
34729-X08*	Center Support Bracket, for 8 (200) Tray	1 (0.5)
34729-X12*	Center Support Bracket, for 12 (300) Tray	2 (0.9)
34729-X16*	Center Support Bracket, for 16 (400) Tray	2 (0.9)
34729-X20*	Center Support Bracket, for 20 (500) Tray	2 (0.9)
34729-X24*	Center Support Bracket, for 24 (600) Tray	3 (1.4)
34733-X04	Triangle Support Bracket, for 4 (100) Tray	1 (0.5)
34733-X08	Triangle Support Bracket, for 8 (200) Tray	1 (0.5)
34733-X12	Triangle Support Bracket, for 12 (300) Tray	2 (0.9)
34733-X16	Triangle Support Bracket, for 16 (400) Tray	2 (0.9)
34733-X20	Triangle Support Bracket, for 20 (500) Tray	3 (1.4)
34733-X24	Triangle Support Bracket, for 24 (600) Tray	4 (1.8)
34735-X08**	Wall Mount Angle, for 8 (200) Tray	1 (0.5)
34735-X12**	Wall Mount Angle, for 12 (300) Tray	1 (0.5)
34735-X16**	Wall Mount Angle, for 16 (400) Tray	1 (0.5)
34735-X20**	Wall Mount Angle, for 20 (500) Tray	2 (0.9)
34735-X24**	Wall Mount Angle, for 24 (600) Tray	2 (0.9)

X=finish; 5=Zinc, 6=Pre-Galvanized, 7=Black, E=Glacier White.
*Available in Zinc, Black & Glacier White finishes only.
**Available in Pre-Galvanized, Black and Glacier White finishes only.

34737-501

34737-502

34732-X01

34736-7XX

34134-XXX

34140-XXX

Pedestal Clamp Bracket

Use with the L Support Bracket to support tray from access floor pedestals under an access floor. Use one Pedestal Clamp Bracket to attach a 16"W (400 mm) or smaller L Support Bracket to an access floor pedestal.

Pedestal Clamp Bracket Kit

Support wire mesh cable tray from adjacent access floor pedestals. Kit includes two Pedestal Clamp Brackets, a tray support bracket and installation hardware. Tray attaches to the tray support bracket with two splice washers (P/N 34728-X01). Can support multiple trays, varying widths; sold individually.

Rack-Mount Hook

Attach wire mesh cable tray to the top of a two-post or four-post CPI Rack System. Includes a Clamp Washer with a hook that attaches to the L-shaped top angle on CPI Rack Systems. Attach tray to the top of the rack in the parallel (side-to-side) or perpendicular (front-to-back) orientation; sold in packs of 4.

Under Floor Support

Use to support wire mesh cable tray from the floor under an access floor. Attaches to the floor with 1/4" hardware or adhesive. Tray attaches to the Under Floor Support with a splice washer (P/N 34728-X01). Under Floor Supports can be used in pairs to support wider trays; sold individually.

C Support Bracket

Use in pairs to support wire mesh cable tray against the wall and ceiling. Tray attaches to C-Bracket with two splice washers (P/N 34728-X01). Installation requires 1/4" (M6) hardware; sold separately.

Under Floor C Bracket

Use in pairs to support two tiers of wire mesh cable tray under a raised floor. Attaches to floor pedestal with bracket (P/N 34737-501). Use two splice washers (P/N 34728-X01) to attach tray to C Bracket.

Part Number	Description H x W x D in (mm)	Shipping Weight lb (kg)
34737-501	Pedestal Clamp Bracket, Zinc	1 (0.5)
34737-502	Pedestal Clamp Bracket Kit, Zinc	4 (1.8)
34732-X01**	Rack-Mount Hook, Pack of 4, Black	1 (0.5)
34736-X43	Under Floor, 3 x 4 x 7 (75 x 100 x 180)	1 (0.5)
34736-X46	Under Floor, 6 x 4 x 8.6 (150 x 100 x 218)	2 (0.9)
34736-X83	Under Floor, 3 x 8 x 7 (75 x 200 x 180)	2 (0.9)
34736-X86	Under Floor, 6 x 8 x 8.6 (150 x 200 x 218)	3 (1.4)
34736-X89	Under Floor, 9 x 8 x 10.2 (225 x 200 x 260)	4 (1.8)
34134-X04*	C Support Bracket, for 4 (100) Tray	3 (1.4)
34134-X08*	C Support Bracket, for 8 (200) Tray	3 (1.4)
34134-X12*	C Support Bracket, for 12 (300) Tray	3 (1.4)
34134-X18*	C Support Bracket for 18 (450) Tray	4 (1.8)
34140-X06	Under Floor C Support, for 6 (150) Tray	3 (1.4)
34140-X12	Under Floor C Support, for 12 (300) Tray	5 (2.3)

X=finish; 6=Pre-Galvanized, 7=Black. *Also available in E=Glacier White.
 **Available only in Black (-7) and Glacier White (-E).

ONTRAC® WIRE MESH CABLE TRAY ACCESSORIES
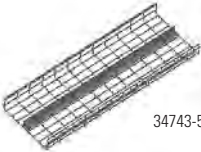
34743-50X

34744-5XX

34745-5XX

34839-001

Cable Tray Divider

Use to divide the internal area of a section of wire mesh cable tray to organize cables by type or zone. Hemmed top edge protects cables. Plain galvanized finish (cannot be painted); includes two 5'L (1.5 m) sections.

Cable Tray Cover

Use to cover the top of a section of wire mesh cable tray to protect or hide cables. Hemmed edges protect the installer. Attaches to the tray with fold-over tabs formed along the edge of the cover; bend the tabs over the top wire on the tray using a flat edge screwdriver. Plain galvanized finish (cannot be painted); includes two 5'L (1.5 m) sections.

Cable Tray Bottom Insert

Use to cover the bottom of a section of wire mesh cable tray to protect or hide cables. Plain galvanized finish (cannot be painted); includes two 5'L (1.5 m) sections.

Cable Tray Bolt Style Cutting Tool

Use to cut wire mesh cable tray to fit and form pieces to match pathway requirements; angled head allows clear view while cutting.

Part Number	Description Width in (mm)	Shipping Weight lb (kg)
34743-502	Cable Tray Divider, for 2 (50) Tray	3 (1.4)
34743-504	Cable Tray Divider, for 4 (100) Tray	5 (2.3)
34743-506	Cable Tray Divider, for 6 (150) Tray	7 (3.2)
34744-5XX*	Cable Tray Cover	2 (0.9)
34745-5XX*	Cable Tray Bottom Insert	4 (1.8)
34839-001	Cable Tray Bolt Style Cutting Tool	6 (2.7)

*P/Ns 34744-5XX and 34745-5XX available in all tray sizes; -X04 (4", 100 mm), -X06 (6", 150 mm). -X08 (8", 200 mm), -X12 (12", 300 mm), -X16 (16", 400 mm), -X18 (18", 450 mm), -X20 (20", 500 mm), -X24 (24", 600 mm). Shipping Weights for 4" Tray.
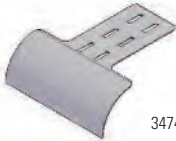
34741-X01

34747-X01

34838-001

34749-001

Tool-Less Radius Drop

Use to properly support cables as they exit or enter cable tray pathways. Provides a wide radius featuring tool-less attachment that requires no cutting of the tray during installation. Secure cables through slots in the radius drop with cable straps or ties. Attaches to the bottom of the tray with bendable tabs that lock the radius drop in place. Can also be attached to the bottom of the tray with a splice washer from the Splice Washer & Bolt Kit (P/N 34728-X01). Manufactured from steel; sold individually.

Large Radius Drop

Use to properly support cables as the cables exit or enter cable tray pathways. Secure cables through slots in the radius drop with cable straps or ties. Attaches to the bottom or side of the tray with two splice washers from the Splice Washer & Bolt Kit (P/N 34728-X01). Manufactured from steel; sold individually.

Split Bolt Grounding Clamp

Use to attach a ground conductor to wire mesh cable tray. Split bolt attaches over the wires that form the tray. Slot accommodates #6 AWG wire; remove paint from tray for ground contact. Manufactured from bronze alloy and copper, 1.5"L (38 mm).

Label Holder

Use to label a section of wire mesh cable tray to identify the pathway or a drop location. Attaches to the side or bottom of the tray.

Part Number	Description	Shipping Weight lb (kg)
34741-X01*	Tool-Less Radius Drop	1 (0.5)
34747-X01*	Large Radius Drop	1 (0.5)
34838-001	Split Bolt Grounding Clamp, Pack of 10	1 (0.5)
34749-001	Label Holder, Pack of 10	1 (0.5)

*X=finish; 5=Zinc, 7=Black. *Available in Glacier White (-EXX)*

ONTRAC® WIRE MESH CABLE TRAY ACCESSORIES

34139-X01

34135-X01

34138-X01

34136-X01
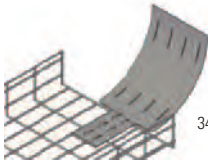
34137-X01

Vertical Tray Radius Bracket
Use to provide a curved support for cables exiting tray vertically. Attaches to bottom of tray with bendable tabs. Can also attach to bottom of tray with two splice washers (P/N 34728-X01); sold individually.

Conduit Bracket
Use to attach three conduits, sizes 1/2", 3/4" or 1" (20 mm, 25 mm or 32 mm) to side of tray. Attaches to bottom of tray with bendable tabs. Can also attach to bottom of tray with two splice washers (P/N 34728-X01); sold individually.

Electrical Box Bracket
Use to attach a single, dual or triple gang junction box to the side of the tray. Attaches with a Clamp Washer (P/N 34746-X01) and Carriage Bold Hardware (34728-X02); sold individually.

Auxiliary Side Bracket
Create a physically separate pathway for cable support alongside the tray. Hangs on side of tray, provides a 2"D (50 mm) shelf for cables; sold individually.

Section Support Bracket
Use to fill the gaps created when cable trays are cut and formed into turns. Hangs on the side of the tray; sold individually.

Part Number	Description Height - in (mm)	Shipping Weight lb (kg)
34139-X01	Vertical Radius Bracket	3 (1.4)
34135-X01	Conduit Bracket	3 (1.4)
34138-X01	Electrical Box Bracket	3 (1.4)
34136-X01	Auxiliary Side Bracket	3 (1.4)
34137-X01	Side Support Bracket, for 2 (50) Tray	2 (0.9)
34137-X02	Side Support Bracket, for 4 (100) Tray	2 (0.9)

All products listed are available in 6=Pre-Galvanized, 7=Black and E=Glacier White

CPI: 800-834-4969

Runway In A Box

Cable runway is individually packaged to simplify shipping. Individual packaging is utilized for all 10250 Series Universal Cable Runway, 11252 Series TELCO-Style Cable Runway and 11275 Series UL Classified Cable Runway. Individual pieces of runway are packaged in a custom width box of 32 ECT cardboard and banded on our strapping machine. Each box is labeled with the part number and product description indicating color and width. Pallets are designed to support the full length and width of multiple quantities of runway. Runway is neatly stacked in two or three columns, fully stretch-wrapped and banded to the pallet to eliminate movement during shipping.

Universal Cable Runway

Our most popular cable runway is designed for value conscious customers. The Universal Cable Runway offers the industry standard features you have come to expect. With the runway supported every 5' (1.5 m), maximum load with minimal deflection is 132 lb/ft (59.9 kg).

- Made of 3/8" x 1-1/2" x .065" (9.53 mm x 38 mm x 1.65 mm) wall rectangular steel tubing
- Cross members welded at 12" (300 mm) intervals
- Individually boxed to prevent scratches and damage
- Standard length is 9'-11 1/2"/119.5" (3035 mm)
- Underwriters Laboratory Classified for suitability as an equipment grounding conductor only (must remove paint or use ground straps)
- Installation Best Practices includes Runway Elevation Kit
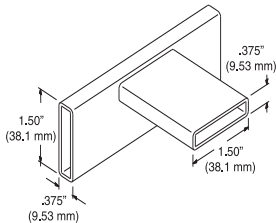
Part Number	Width (Dim. A) in (mm)	Shipping Weight lb (kg)
10250-X04	4 (100)	18 (8.2)
10250-X06	6 (150)	19 (8.6)
10250-X09	9 (230)	20 (9.1)
10250-X12	12 (300)	25 (11.3)
10250-X15	15 (380)	27 (12.2)
10250-X18	18 (460)	29 (13.2)
10250-X24	24 (610)	32 (14.5)
10250-X31	30 (760)	35 (15.7)
10250-X37	36 (910)	38 (17.2)

X=finish; 1=Gray, 2=Computer Beige, 7=Black, E=Glacier White

.375" (9.53 mm)
1.50" (38.1 mm)
1.50" (38.1 mm)
.375" (9.53 mm)

12.00" (304.8 mm)
5.75" (146.1 mm)
119.50" (3035.3 mm)
A
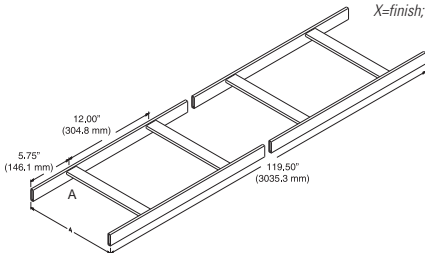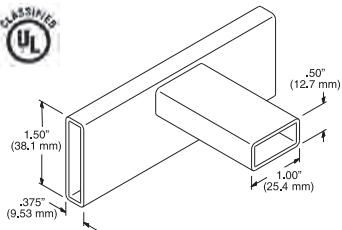
TELCO-Style Cable Runway

Similar in construction to our Universal Cable Runway (10250 Series). The side stringers are 1 1/2" x 3/8" x .065" (38 mm x 9.53 mm x 1.65 mm) and the cross members are 1/2" x 1" x .065" (12.7 mm x 30 mm x 1.65 mm) welded at 9" (230 mm) intervals.

- The overall length is 9' 8-1/2"116.5" (2959 mm) or 4' 5-1/2"/53.5" (1359 mm) to comply with TELCO-Style standards
- Individually boxed to prevent scratching and damage
- Installation Best Practices includes Runway Elevation Kit (page 6-19)
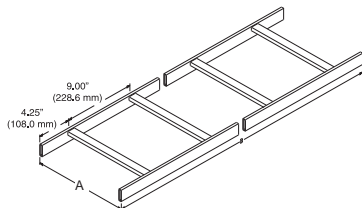
Part Number	Width (Dim. A) in (mm)	Length (Dim. B) in (mm)
11252-X06	6 (150)	9' 8-1/2 (2959)
11252-X09	9 (230)	9' 8-1/2 (2959)
11252-X10	10 (250)	9' 8-1/2 (2959)
11252-X12	12 (300)	9' 8-1/2 (2959)
11252-X13	12 (300)	4' 5-1/2 (1359)
11252-X15	15 (380)	9' 8-1/2 (2959)
11252-X18	18 (460)	9' 8-1/2 (2959)
11252-X20	20 (510)	9' 8-1/2 (2959)

X=finish; 1=Gray, 2=Computer Beige, 7=Black, E=Glacier White

Note: Shown in two sections for illustrative purposes, actual product is one piece.
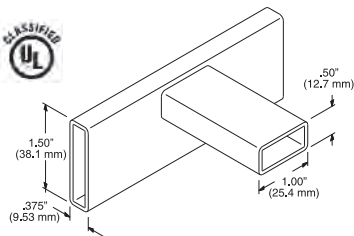
UL Classified Cable Runway

Similar in construction to our TELCO Style Cable Runway (11252 series). The side stringers are 1 1/2" x 3/8" x .065" (38.1 mm x 9.53 mm x 1.65 mm) and the cross members are 1/2" x 1" x .065" (12.7 mm x 30 mm x 1.65 mm) welded at 9" (230 mm) intervals.

- Available in Gold chem finish or black chem over zinc plating
- Underwriters Laboratory Classified for suitability (as an equipment grounding conductor only)
- The overall length is 9' 8-1/2"/116.5" (2959 mm) to comply with TELCO-Style standards
- Individually boxed to prevent scratching and damage
- Installation Best Practices includes Runway Elevation Kit (page 6-19)
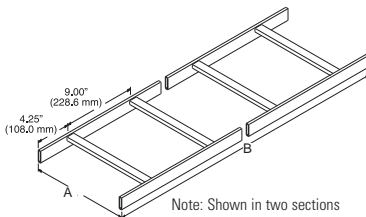
Part Number	Width (Dim. A) in (mm)	Length (Dim. B) in (mm)	Shipping Weight lb (kg)
11275-X06	6 (150)	9' 8-1/2 (2959)	19 (8.6)
11275-X09	9 (230)	9' 8-1/2 (2959)	20 (9.1)
11275-X12	12 (300)	9' 8-1/2 (2959)	22 (10.0)
11275-X15	15 (380)	9' 8-1/2 (2959)	26 (11.8)
11275-X18	18 (460)	9' 8-1/2 (2959)	28 (12.7)
11275-X20	20 (510)	9' 8-1/2 (2959)	29 (13.2)
11275-X24	24 (610)	9' 8-1/2 (2959)	31 (14.1)

X=color over zinc: 0=Gold Chem, 7=Black

Note: Shown in two sections for illustrative purposes, actual product is one piece.

Trough Cable Runway

.375" (9.53 mm)

1.50" (38.1 mm)

1.50" (38.1 mm)

.375" (9.53 mm)
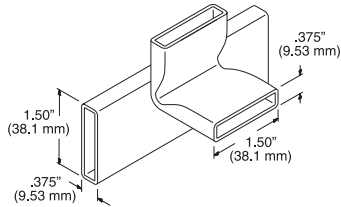
Features rubber-capped vertical members on both sides which form a trough to accommodate larger cable runs. Wall is .065" (1.65 mm) thick.
• Use with heavy-duty splice kits (11299-001, 11298-001)

9′ 11-1/2″L/119.5″ (3035 mm), 12″ (300 mm) Spacing Between Cross Members	
Part Number	Width (Dim. A) in (mm)
10692-X09	9 (230)
10692-110	10 (250)
10692-X12	12 (300)
10692-X15	15 (380)
10692-X18	18 (460)

9′ 8-1/2″L/116.5″ (2959 mm) , 9″ (230 mm) Spacing Between Cross Members	
Part Number	Width (Dim. A) in (mm)
10693-X09	9 (230)
10693-110	10 (250)
10693-X12	12 (300)
10693-X15	15 (380)
10693-X18	18 (460)

8.00" (203.2 mm)

A
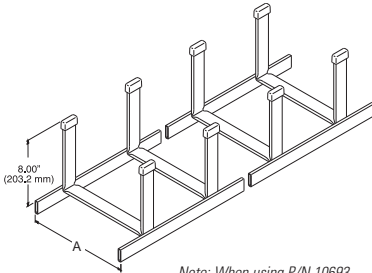
Note: When using P/N 10693, select a radius drop that is less than 7.5″W (191 mm), such as P/N 12101-X03.

X=finish; 1=Gray, 2=Computer Beige, 7=Black, E=Glacier White

Quick Ship Cable Runway Kit

3.75" (95.3 mm)

11.00" (279.4 mm)

12.00" (304.8 mm)

12.00" (304.8 mm)

11.00" (279.4 mm)

53.50" (1358.9 mm)

107.38" (2727.5 mm) combined length

A

The 4′ 6″ (1359 mm) length of this cable runway is designed to meet UPS requirements without additional charges. Packaged one kit per box.

Kit consists of:
• (2) 4′ 6″/53.5″ (1359 mm) cable runway; combined length is 8′ 11 3/8″L/ 107.38″ (2727.5 mm)
• (1) Butt-Splice Kit (P/N 11301-001)
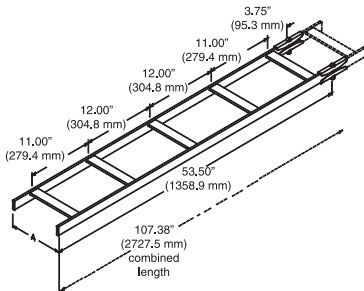
Part Number	Width (Dim. A) in (mm)
12170-X06	6 (150)
12170-X09	10 (250)
12170-X12	12 (300)

X=finish; 1=Gray, 2=Computer Beige, 7=Black, E=Glacier White

.375"
(9.53 mm)

1.50"
(38.1 mm)

1.50"
(38.1 mm)

.375"
(9.53 mm)

13.81"
(350.8 mm)

12.50"
(317.5 mm)

6.66"
(169.2 mm)

104.75"
(2660.7 mm)

A

Note: Shown in two sections for illustrative purposes. Actual product is one piece.

Alternate Space Cable Runway

Designed specifically for use over 19" wide racks (CPI Series 55053, 46353 or 66353) and any 6"W (150 mm) vertical cable manager.

A single 104.75"L (2660.7 mm) space will transition a row of four 19" Racks (CPI Series 55053, 46353 or 66353) and five 6"W (150 mm) Vertical Cabling Sections (CPI Series 11729, as shown lower left).

• Runway cross-members are spaced to simplify horizontal to vertical alignment of Cross Member Radius Drops

• Eliminates additional hardware, time-consuming field fabrication and complicated adjustments required with traditional products
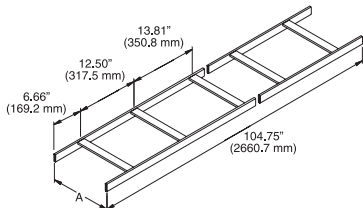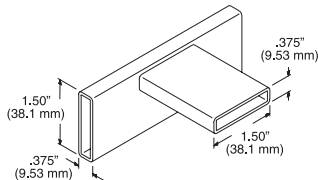
Part Number	Width (Dim. A) in (mm)	Shipping Weight lb (kg)
31472-X06	6 (150)	17 (7.7)
31472-X12	12 (300)	24 (10.9)
31472-X18	18 (460)	28 (12.7)
31472-X24	24 (610)	31 (14.1)

X=finish; 1=Gray, 2=Computer Beige, 7=Black, E=Glacier White.
When runway is supported from the ceiling, select a single Radius Drop to match the width of the runway at each transition point. When runway is supported with a Rack-to-Runway Mounting Plate, use two, 12100-X06 Radius Drops, at each transition point for 12", 18" and 24"W (300 mm, 460 mm and 610 mm) runway.

Cable Runway Pathway Dividers

Pathway Dividers divide Cable Runway into multiple cable pathways in order to organize cables according to media type or destination. By organizing horizontal cables by destination according to route or zone, technicians can better manage cables when additional cables are added or when the cable path through the building changes due to building renovations.

• Cable spools separate cables into individual pathways for better organization of cables

• Spools have a smooth surface to protect cable jackets from damage during installation or maintenance

• Easy installation with included hardware

• Universal/Trough Style Dividers fit 3/8"H x 1-1/2"W (9.53 mm x 38.1 mm) cross members on CPI Universal or Trough Cable Runway

• TELCO/UL Classified Style Dividers fit 1/2"H x 1"W (13 mm x 30 mm) cross members on CPI TELCO or UL Classified Cable Runway
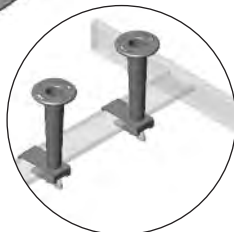
Part Number	Description	Shipping Weight lb (kg)
Universal or Trough Style Dividers		
13392-X11	Divider, Package of 5	1 (0.5)
13392-X12	Divider, Package of 25	3 (1.4)
TELCO or UL Classified Style Dividers		
13392-X21	Divider, Package of 5	1 (0.5)
13392-X22	Divider, Package of 25	3 (1.4)

X=finish; 7=Black, E=Glacier White. Cable spool is black.

P/N 13395

P/N 13394

PatchRack For CPI Cable Runway

The PatchRack is a miniature two-post rack that can be attached to CPI Cable Runway to save rack-mount space by placing patch panels or interconnect equipment above the rack or cabinet. Use PatchRack to create a zone network in the data center. Two versions are available; Racks P/N 13395 attach to the Cable Runway side stringer with a 7"D (180 mm) standoff bracket, and Racks P/N 13394 attach to a cross member underneath the Cable Runway. The position of the rack can be adjusted front-to-back or side-to-side. Racks P/N 13395 can also attach perpendicular to Cable Runway that is 12"W (300 mm) or less. Use the Cross Member Hardware Kit P/N 13399-702 for perpendicular mounting of all racks on any width of Cable Runway.

• Attaches to all CPI Cable Runway, but optimized for 1-1/2"H x 3/8"W (38.1 mm x 9.53 mm) side stringers or cross members to Universal Cable Runway
• Supports 19"W rack-mount equipment
• Supports up to 60 lb (27.2kg)

Part Number	Description	Shipping Weight lb (kg)
13395-X04	With Side Stringer Brackets, 4U	5 (2.3)
13395-X08	With Side Stringer Brackets, 8U	7 (3.2)
13394-X04	With Cross Member Brackets, 4U*	4 (1.8)
13394-X08	With Cross Member Brackets, 8U*	6 (2.7)

*X=color: 0=Gold, 1=Gray, 2=Computer Beige, 7=Black, E=Glacier White. Gold and beige kits include gold color hardware. Gray and black kits include black color hardware. Does not include Side Stringer Brackets. *Attaches to cross-member in parallel orientation only.*

P/N 13399

P/N 13396

Accessories For PatchRack

Use Cross Member Hardware Kit for perpendicular mounting on all widths of Cable Runway. The D-Ring Kit provides cable management.
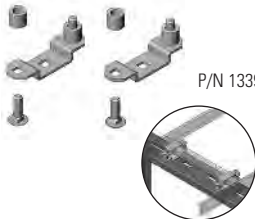
Part Number	Description	Shipping Weight lb (kg)
13399-X02	Cross Member Hardware Kit, Black	1 (0.5)
13396-204	D-Rings for 4U Rack, 6 Rings, Beige	1 (0.5)
13396-208	D-Rings for 8U Rack, 10 Rings, Beige	2 (0.9)
13396-704	D-Rings for 4U Rack, 6 Rings, Black	2 (0.9)
13396-708	D-Rings for 8U Rack, 10 Rings, Black	2 (0.9)

X=color: 2=Computer Beige, 7=Black

12100-XXX

12101-XXX

12101-XXX

Cable Runway Radius Drop

Mounts to the side stringer or cross member of CPI Cable Runway to help maintain proper Category 5e/6/6a or fiber bend radius.
• Quick and easy installation
• Cross Member Radius Drop (P/N 12100-XXX) fits 6", 9", 12" and 18"W (150 mm, 230 mm, 300 mm and 460 mm) cross member tubing on CPI Universal Runway (Series 10250)
• Stringer Radius Drop (P/N 12202-XXX) attaches to the side of the runway
• Provides 3" (80 mm) bend radius
• Products 5"W (130 mm), 12100-X06, 12101-X03, drop into CPI's 6"W (150 mm) vertical cabling sections
• Supplied with 1-1/2" (38.1 mm) cable spools (P/N 15003-001) to separate and guide cables
• Sold individually
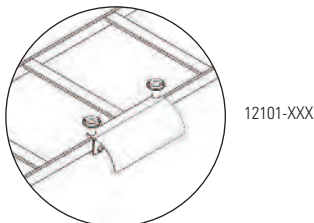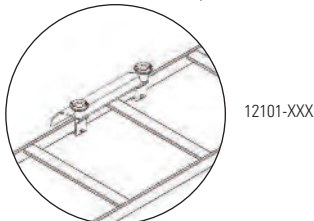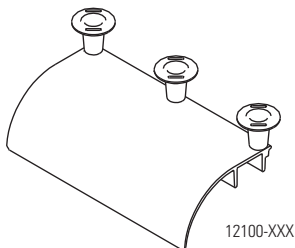
Runway Radius Drop, Cross Member			
Part Number	Cable Runway Width - in (mm)	Product Width in (mm)	Cable Spools
12100-X06	6 (150)	5 (130)	2 ea.
12100-X09	9 (230)	8 (200)	2 ea.
12100-X12	12 (300)	11 (280)	3 ea.
12100-X18	18 (460)	17 (430)	3 ea.

Runway Radius Drop, Stringer			
Part Number	Runway Application	Product Width in (mm)	Cable Spools
12101-X11	Universal	10.3 (260)	2 ea.
12101-X12	Telco	7.8 (197 mm)	2 ea.
12101-X13	Misc.	13 (127)	2 ea.

X=color: 1=Gray, Computer Beige, 7=Black, E=Glacier White.

Cable Runway Movable Cross Member

Permits the dropping of cables at any point between cross members of 9",12" or 18"W (230 mm, 300 mm or 460 mm) Cable Runways. Combine with the recommended Cable Runway Radius Drop.
• Fits on standard Cable Runway only — 1-1/2" x 3/8" stringer (38.1 mm x 9.53 mm)
• Can be used as an attachment point for the Cable Runway Radius Drops listed below
• Easy installation using provided hardware
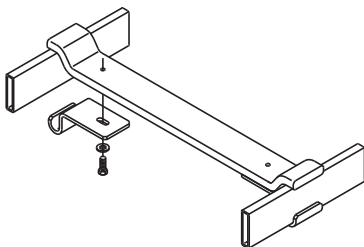
Part Number	Cable Runway in (mm)	Use with Radius Drop
12115-X09	9 (230)	12100-X06
12115-X12	12 (300)	12100-X09
12115-X18	18 (460)	12100-X12

X=color: 1=Gray, 2=Computer Beige, 7=Black, E=Glacier White. Beige kits have gold-colored hardware. Gray (-1XX) and Black (-7XX) kits have black color hardware.

12.50"
(317.5 mm)

A

12.50"
(317.5 mm)

10723

12.50"
(317.5 mm)

A

12.50"
(317.5 mm)

10724
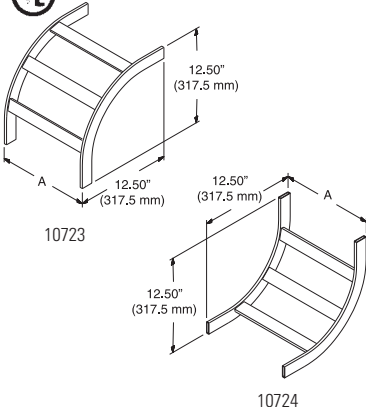
Cable Runway Radius Bend

Creates a gradual bend for cascading cable runs.
- Made of lightweight 1-1/2" x 3/8" (38.1 mm x 9.53 mm) tubular steel
- Three cross members welded at approximately 23 degree increments
- Outside/Inside is determined by welding cross members closer to cable side

Part Number		
90-Degree Outside Bend	90-Degree Inside Bend	Width (Dim. A) in (mm)
10723-X06	10724-X06	6 (150)
10723-X09	10724-X09	9 (230)
10723-X12	10724-X12	12 (300)
10723-X15	10724-X15	15 (380)
10723-X18	10724-X18	18 (460)
10723-X20	10724-X20	20 (510)
10723-X24	10724-X24	24 (610)

X=color; 0=Gold, 1=Gray, 2=Computer Beige, 7=Black, E=Glacier White. Only gold radius bends are UL Classified.

Cable Runway E-Bend

9" Runway = 24.00" (609.6 mm)
12" Runway = 27.00" (685.8 mm)
18" Runway = 33.00" (838.2 mm)
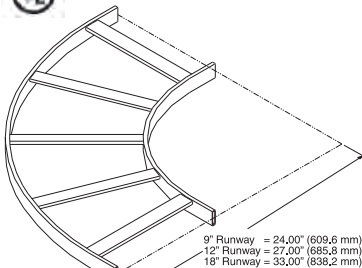
Creates a 90 degree gradual sweep in horizontal plane for Cable Runway runs. Designed for cabling in conformance with minimum bend radius requirements (typically 4 times the cable diameter). Made of lightweight 1-1/2" x 3/8" (38.1 mm x 9.53 mm) tubular steel to fit standard Cable Runway. Cross members welded at approximately 23 degree increments.
- Conforms to Category 5e/6/6a requirements
- Easy installation using CPI Butt-Splices (P/N 11301-001, not included)

Part Number 9" W (230 mm)	Part Number 12"W (300 mm)	Part Number 18"W (460 mm)
10822-X09	10822-X12	10822-X18

X=color; 0=Gold, 1=Gray, 2=Computer Beige, 7=Black, E=Glacier White. Only gold E-Bends are UL Classified.
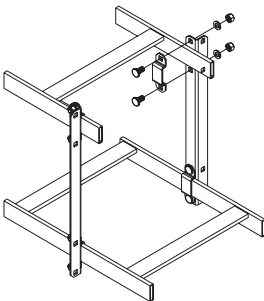
Cable Runway Standoff Support Kit

Allows the attachment of cable runway 12" (300 mm) directly above and either parallel or perpendicular to existing Cable Runway. Each kit consists of the following items: two steel angle pieces, four steel brackets and eight sets of nuts, bolts and washers. The angle pieces are available in gray, beige, black or gold finish.

| Part Number	Description	Shipping Weight lb (kg)
31470-X12	Standoff Support Kit	1 (0.5)

X=color: 0=Gold, 1=Gray, 2=Computer Beige, 7=Black, E=Glacier White. Kits have gold-colored hardware. Gray (-1XX) and Black (-7XX) kits have black color hardware.
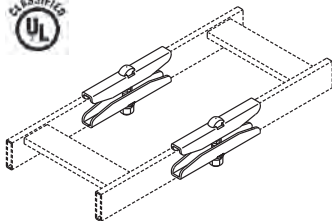
Butt-Splice Kit

Connect two sections of runway end-to-end. Fits both solid and tubular steel 1-1/2" x 3/8" and 2" x 3/8" (38.1 mm x 9.53 mm and 50.8 mm x 9.53 mm).

Kit consists of:
- (4) splice plates
- (2) 3/8-16 trimmed head bolts
- (2) 3/8-16 hex nuts
- (2) 3/8" split lock washers

Part Number	Description in (mm)	Shipping Weight lb (kg)
11301-X01*	Butt-Splice Kit, 1-1/2 x 3/8 (38 x 9.53) Stringer	1 (0.5)
11301-X02*	Butt-Splice Kit, 2 (50.8) Stringer	1 (0.5)
16301-X01*	UL Classified Kit	1 (0.5)

X=color over zinc: 0=Gold, 7=Black. Gold kits include gold color hardware. Black kits include black color hardware.
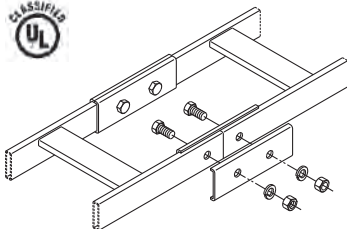
Heavy-Duty Butt-Splice Kit

For butting two lengths of Runway together. Cable Runway drilling is required.
- Bolt through Butt-Splice Kit for earthquake areas

Kit consists of:
- (4) splice plates for 1-1/2" stringers
- (4) 3/8-16 x 1-1/4" hex cap screws
- (4) 3/8-16 hex nuts
- (4) 3/8" split lock washers

Part Number	Description	Shipping Weight lb (kg)
11299-X01*	Heavy-Duty Butt-Splice Kit	2 (0.9)
16299-X01*	UL Classified Butt-Splice Kit	2 (0.9)

X=color over zinc: 0=Gold, 7=Black. Gold kits include gold color hardware. Black kits include black color hardware.
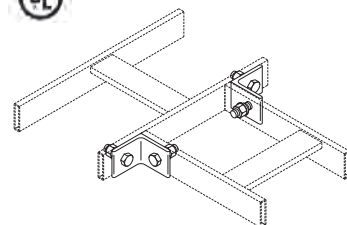
Heavy-Duty Junction-Splice Kit

Bolt-through Junction-Splice Kit for vertical runs or to meet seismic requirements. Cable Runway drilling is required.
- Material is 2" x 2" x 3/16" (50 mm x 50 mm x 4.763 mm) steel angle

Kit consists of:
- (2) splice angles
- (4) 3/8-16 x 1-1/4" hex cap screws
- (4) 3/8-16 hex nuts
- (4) 3/8 split lock washers

Part Number	Description	Shipping Weight lb (kg)
11298-X01*	Heavy-Duty Junction Splice	3 (1.4)
16298-X01*	UL Classified Junction Kit	3 (1.4)

X=color over zinc: 0=Gold, 7=Black. Gold kits include gold color hardware. Black kits include black color hardware.
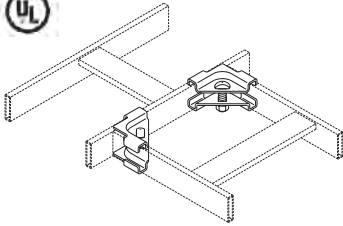
Junction-Splice Kit

Used to create a 90 degree junction splice with all types of 1-1/2" x 3/8" or 2" x 3/8" (38.1 mm x 9.53 mm and 50.8 mm x 9.53 mm) Cable Runway.

Kit consists of:
- (4) corner clamp plates
- (2) 3/8-16 x 1 3/8" trimmed head bolts
- (2) 3/8-16 hex nuts
- (2) 3/8 split lock washers

Part Number	Description in (mm)	Shipping Weight lb (kg)
11302-X01	Junction-Splice Kit 1-1/2 x 3/8 (38mm x 9.53) Stringer	1 (0.5)
11302-X02	Junction-Splice Kit 2 x 3/8 (50.8 x 9.53) Stringer	1 (0.5)
16302-X01	UL Classified Junction Kit	1 (0.5)

X=color over zinc: 0=Gold, 7=Black

Dim A   Dim B
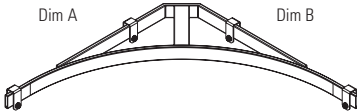
Cable Runway Corner Bracket

Creates a radius for L, T or X-shaped intersections of Cable Runway formed when two or more pieces of Cable Runway are connected together with the Junction-Splice Kit (P/N 11302 or 16302) or Heavy-Duty Junction-Splice Kit (P/N 11298 or 16298).

- Single-piece welded assembly fabricated from 3/8" x 1-1/2" x .065" (9.53 mm x 38.1 mm x 1.65 mm) wall rectangular steel tubing
- Easy installation; brackets/hardware included

Dim.	15" W (380 mm) in (mm)	24"W (610 mm) in (mm)
A	15.48 (393.2)	24.13 (612.9)
B	15.48 (393.2)	24.13 (612.9)

Part Number 15"W (380 mm)	Part Number 24"W (610 mm)	Description
11959-X15	11959-X24	Corner Bracket

X=color over zinc: 0=Gold, 1=Gray, 2=Computer Gray, 7=Black, E=Glacier White.
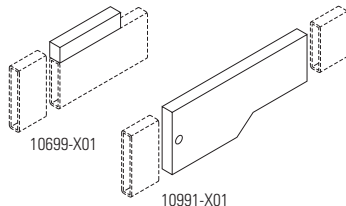
Transition Adapter Butt-Splice Kits

Enables 1-1/2" x 3/8" (38.1 mm x 9.53 mm) side stringers to be spliced to 2" x 3/8" (50.8 mm x 9.53 mm) side stringers. P/N 10991-001 allows Swivel-Splice Kits to be used with 2" x 3/8" (50.8 mm x 9.53 mm) side stringers.

Kit 10699-X01 consists of:
- (1) 2" Butt-Splice Kit (P/N 11301-X02)
- (2) steel bars

Kit 10991-X01 consists of:
- (1) 2" Butt-Splice Kit (P/N 11301-X02)
- (1) 1-1/2" Butt-Splice Kit (P/N 11301-X01)
- (2) Gray or Black finish/color steel transition bars

10699-X01

10991-X01

Part Number	Description in (mm)	Shipping Weight lb (kg)
10699-X01	Adapter Kit, 1-1/2 to 2 (38.1 to 50.8)	2 (0.9)
10991-X01	Transition Kit, 1-1/2 to 2 (38.1 to 50.8)	2 (0.9)

X=color over zinc: 0=Gold, 7=Black
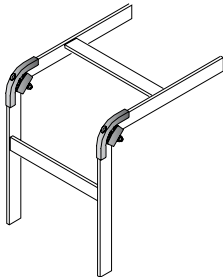
90° Runway-Splice Kit

Designed to butt-splice 1-1/2" (38.1 mm) Cable Runway at a 90° angle.

Kit consists of:
• (2) 90° outside clamps
• (2) Inside edge clamps
• (2) 3/8-16 trimmed round head, square neck bolts
• (2) 3/8-16 hex nuts and lock washers

Part Number	Description in (mm)	Shipping Weight lb (kg)
11314-X01	90° Runway-Splice Kit, 1-1/2 x 3/8 (38.1 x 9.53) stringer	1 (0.5)
16314-X01	UL Classified Kit	1 (0.5)

X=color over zinc: 0=Gold, 7=Black
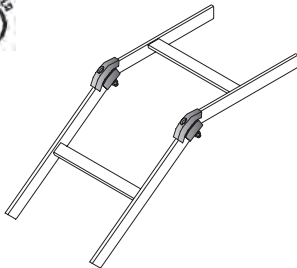
45˚ Runway-Splice Kit

Butt-splices Cable Runway at a 45° angle.

Kit consists of:
• (2) 45° outside clamps
• (2) Inside edge clamps
• (2) 3/8-16 trimmed round head, square neck bolts
• (2) 3/8-16 hex nuts and lock washers

Part Number	Description in (mm)	Shipping Weight lb (kg)
11313-X01	45° Runway-Splice Kit, 1-1/2 x 3/8 (38.1 x 9.53) stringer	1 (0.5)
16313-X01	UL Classified Kit	1 (0.5)

X=color over zinc: 0=Gold, 7=Black
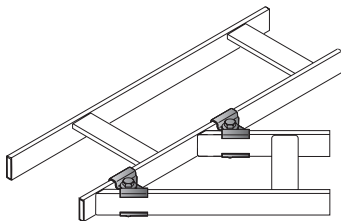
Adjustable Junction–Splice Kit

Adjusts to form any junction angle for cabling that requires a large radius bend or to route around existing plumbing, electrical, etc.

Kit consists of:
• (4) adjustable corner plates
• (2) 3/8-16 x 2" hex cap screws
• (2) 3/8-16 hex nuts
• (2) 3/8 lock washers

Note: Requires one kit to attach one end of cable runway.

Part Number	Description	Shipping Weight lb (kg)
10616-X01	Adjustable Junction Splice Kit	2 (0.9)

X=color over zinc: 0=Gold, 7=Black
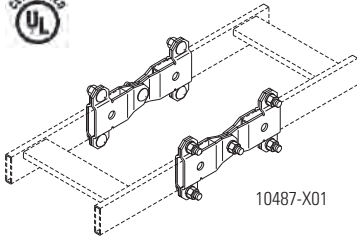
10487-X01
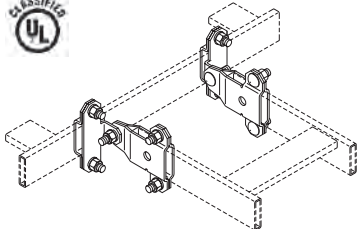
10488-X01
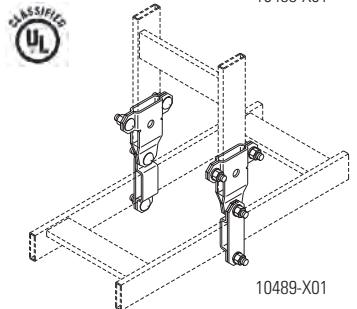
10489-X01

Swivel Splice Kits

Splices cable runway vertically, horizontally or perpendicularly. Adjusts to any angle, not limited to 45 or 90 degrees. Flexible swivel design simplifies Cable Runway installation by making it easier to route around existing plumbing, electrical, etc. Material is steel. Hardware and instructions are included.

Butt Swivel (10487) Kit consists of:
• (8) bracket end
• (8) 5/16-18 x 3/4" round head square, neck bolts
• (2) 5/16-18 x 1" round head square, neck bolts
• (10) 5/16-18 hex nuts, split lock washers

Junction Swivel (10488) Kit consists of:
• (4) bracket end
• (2) bracket supports and plate clamps
• (2) 5/16-18 x 1" round head square, neck bolts
• (8) 5/16-18 x 3/4" round head square, neck bolts
• (10) 5/16-18 hex nuts, split lock washers

Vertical Swivel (10489) Kit consists of:
• (4) bracket end
• (2) bracket clamps and plate clamps
• (2) 5/16-18 x 1" round head, square neck bolts
• (6) 5/16-18 x 3/4" round head, square neck bolts
• (8) 5/16-18 hex nuts, split lock washers

Part Number	Description	Shipping Weight lb (kg)
10487-X01	Butt-Swivel Splice Kit	1 (0.5)
10488-X01	Junction Swivel Splice Kit	1 (0.5)
10489-X01	Vertical Swivel Splice Kit	1 (0.5)
16487-X01	UL Classified Butt Swivel Splice Kit	1 (0.5)
16488-X01	UL Classified Junction Swivel Splice Kit	1 (0.5)
16489-X01	UL Classified Vertical Swivel Splice Kit	1 (0.5)

X=color over zinc: 0=Gold, 7=Black

Parallel Mounting

Perpendicular Mounting

3" (80 mm) Channel Rack-To-Runway Mounting Plate

Secures Cable Runway to the top of Standard Rack and Universal Rack. Mounts either parallel or perpendicular. For proper attachment of 6"W (150 mm) Cable Runway, specify a rack with top bars instead of top angles.
• Material is 1/4" (6.4 mm) thick cold-rolled steel. Installation best practice includes Runway Elevation Kit (P/N 10506-XXX)

P/N 10595-XXX consists of:
• (1) mounting plate
• (4) 5/16-18 x 2 1/4" J-bolts
• (4) 5/16-18 hex nuts
• (4) 5/16 split lock washers

P/N 12408-X24 consists of:
• (1) mounting plate
• (2) 5/16-18 x 3 1/4" J-bolts
• (2) 5/16-18 x 2 1/4" J-bolts
• (4) 5/16-18 hex nuts
• (4) 5/16 split lock washers
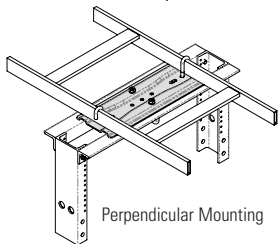
Part Number	Runway Width in (mm)	Plate Material	Shipping Weight lb (kg)
10595-X04	4 (100)	Steel	4 (1.8)
10595-X08	5 to 8 (130 to 200)	Steel	5 (2.3)
10595-X12	9 to 12 (230 to 300)	Steel	5 (2.3)
10595-X18	15 to 18 (380 to 460)	Steel	7 (3.2)
12408-X24	20 to 24 (510 to 610)	Aluminum	4 (1.8)

X=color: 1=Gray, 2=Computer Beige, 7=Black, E=Glacier White. Kits have gold colored hardware. Gray (-1) and Black (-7) kits have black colored hardware.

Parallel Mounting

3" (80 mm) Channel Rack-To-Runway Mounting Plate With Bracket

Secures Runway to the top of Universal Rack without intruding into mounting space. The combination of the flat plate and hat-shaped bracket form a clamp around the rack's top angles or top bars. Mounts parallel or perpendicular. For proper attachment of 6" runway, use top bars (13045 Series) rather than top angles. Installation best practice includes Runway Elevation Kit (P/N 10506)
Kit consists of:
• (1) mounting plate
• (2) hat-shaped brackets
• (2) J-Bolts, 5/16-18 x 2-1/4"
• (3) hex nuts, 5/16-18
• (3) split lock washers, 5/16"
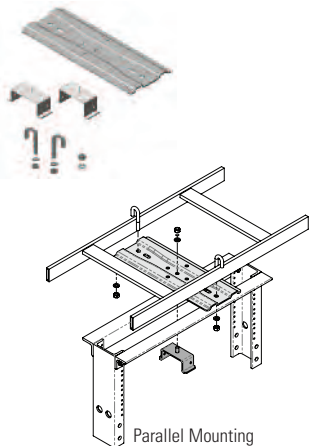
Part Number	Runway Width in (mm)	Plate Material	Shipping Weight lb (kg)
12730-X04	4 (100)	Steel	4 (1.8)
12730-X08	5 to 8 (130 to 200)	Steel	5 (2.3)
12730-X12	9 to 12 (230 to 300)	Steel	5 (2.3)
12730-X18	15 to 18 (380 to 460)	Steel	7 (3.2)
13730-X24	20 to 24 (510 to 610)	Aluminum	4 (1.8)

X=color: 1=Gray, 2=Computer Beige, 7=Black, E=Glacier White. Kits have gold colored hardware. Gray (-1) and Black (-7) kits have black colored hardware.

Parallel Mounting

6" (150 mm) Channel Rack-To-Runway Mounting Plate

Secures Cable Runway to the top of 6"D (150 mm) Standard Rack. Mounts either parallel or perpendicular to runway.

• Installation best practice includes Runway Elevation Kit (P/N 10506-XXX)

P/N 12121-XXX consists of:
• (1) mounting plate
• (4) 5/16-18 x 2 1/4" J-bolts
• (4) 5/16-18 hex nuts
• (4) 5/16 split lock washers

P/N 12409-X24 consists of:
• (1) mounting plate
• (2) 5/16-18 x 3 1/4" J-bolts
• (2) 5/16-18 x 2 1/4" J-bolts
• (4) 5/16-18 hex nuts
• (4) 5/16 split lock washers
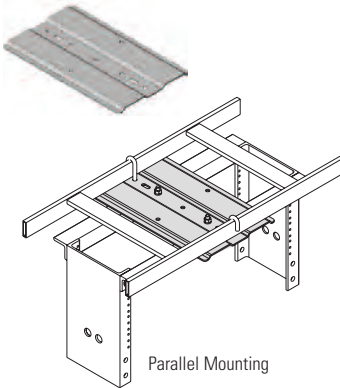
Part Number	Runway Width in (mm)	Plate Material	Shipping Weight lb (kg)
12121-X09	5 to 9 (130 to 230)	Aluminum	5 (2.3)
12121-X12	9 to 12 (230 to 300)	Aluminum	5 (2.3)
12121-X18	15 to 18 (380 to 460)	Aluminum	7 (3.2)
12409-X24	20 to 24 (510 to 610)	Aluminum	5 (2.3)

X=color: 1=Gray, 2=Computer Beige, 7=Black, E=Glacier White. Kits have gold colored hardware. Gray (-1) and Black (-7) kits have black colored hardware. 12409-X24 adds 1.25" (32 mm) to height of rack.

Perpendicular Mounting

6" (150 mm) Channel Rack-To-Runway Mounting Plate With Bracket

Secures Cable Runway to the top of 6"D (150 mm) Standard Rack without intruding into valuable mounting space. The combination of the flat plate and hat-shaped bracket form a clamp around the rack's top angles or top bars. Mounts either parallel or perpendicular.

• Installation best practice includes Runway Elevation Kit (P/N 10506-XXX)

Kit consists of:
• (1) mounting plates
• (2) hat-shaped bracket
• (2) J-Bolts, 5/16-18 x 2-1/4"
• (3) hex nuts, 5/16-18
• (3) split lock washers, 5/16"
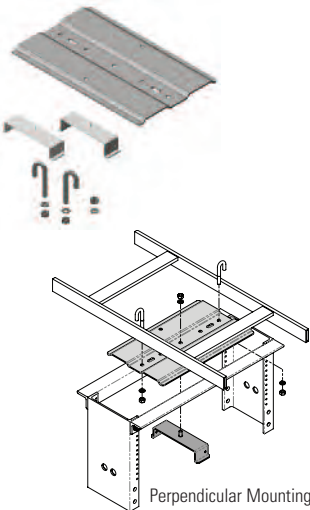
Part Number	Runway Width in (mm)	Plate Material	Shipping Weight lb (kg)
12731-X09	5 to 9 (130 to 230)	Aluminum	5 (2.3)
12731-X12	9 to 12 (230 to 300)	Aluminum	5 (2.3)
12731-X18	15 to 18 (380 to 460)	Aluminum	7 (3.2)
13731-X24	20 to 24 (510 to 610)	Aluminum	5 (2.3)

X=color: 1=Gray, 2=Computer Beige, 7=Black, E=Glacier White. Kits have gold colored hardware. Gray (-1) and Black (-7) kits have black colored hardware. 13731-X24 adds 1.25" (32 mm) to height of rack.
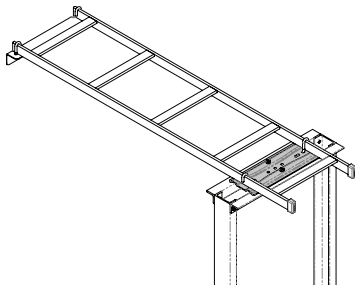
Rack Not Included

Cable Runway Wall To Rack Kit

The CPI Cable Runway Wall To Rack Kit is a one part number solution to the problem of providing support for cable between the rack and the wall.

Kit consists of:
- (1) 4′ 6″L/54″ (1370 mm) Universal Cable Runway
- (1) Wall angle support bracket
- (1) Rack to runway mounting plate
- (1) Pair of end caps
- (6) J-bolts

Note: The kit is available with runway that is 6″, 9″ or 12″W (150 mm, 230 mm or 300 mm). Rack is not included.

Part Number	Description	Shipping Weight lb (kg)
Standard/Universal Racks with 3″D (80 mm) Mounting Channels Width - in (mm)		
11911-X06	6 (150) Cable Runway Wall to Rack Kit	24 (10.9)
11911-X09	9 (230) Cable Runway Wall to Rack Kit	28 (12.7)
11911-X12	12 (300) Cable Runway Wall to Rack Kit	32 (14.5)
Standard Rack with 6″D (150 mm) Mounting Channels Width - in (mm)		
31473-X06	6 (150) Cable Runway Wall to Rack Kit	17 (7.7)
31473-X09	9 (230) Cable Runway Wall to Rack Kit	19 (8.6)
31473-X12	12 (300) Cable Runway Wall to Rack Kit	24 (10.9)

X=color: 1=Gray, 2=Computer Beige, 7=Black, E=Glacier White. Kits have gold colored hardware. Gray (-1) and Black (-7) kits have black colored hardware.
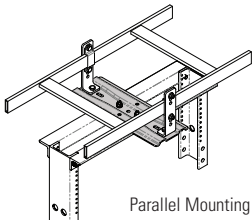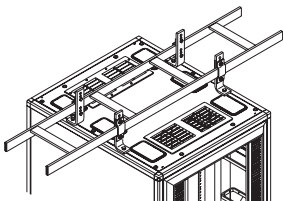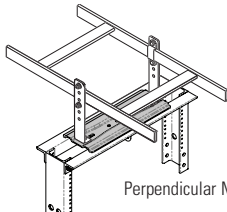
Parallel Mounting

Cable Runway Elevation Kit

Supports Cable Runway above a continuous row of CPI Racks or Cabinets of varying height and provides additional space between the tops of the racks or cabinets and the cable runway, which can create smoother transition of cables.
- Three ranges of incremental elevation
- Can be mounted perpendicular or parallel
- Rack kit includes a single pair of brackets and assembly hardware
- Rack kits attach to the top of the rack with a Rack-To-Runway Mounting Plate (P/N 10595 or 12121, sold separately)
- Cabinet kits include two pairs of brackets and assembly hardware
- Cabinet kits attach directly to the top of the cabinet

Rack	Shipping Weight - lb (kg)	Cabinet	Shipping Weight - lb (kg)
2″, 2.5″ or 3″H (50 mm, 64 mm or 80 mm) Elevation			
10506-X02	2 (0.9)	10506-X12	2 (0.9)
4″, 5″ or 6″H (100 mm, 130 mm or 150 mm) Elevation			
10506-X06	3 (1.4)	10506-X16	5 (2.3)
10″, 11″ or 12″H (250 mm, 280 mm or 300 mm) Elevation			
10506-X08	2 (0.9)	10506-X18	4 (1.8)

X=color: 1=Gray, 2=Computer Beige, 7=Black, E=Glacier White. Kits have gold colored hardware. Gray (-1) and Black (-7) kits have black colored hardware.


Perpendicular Mounting

Slip-On® Framing Clip, Cable Runway
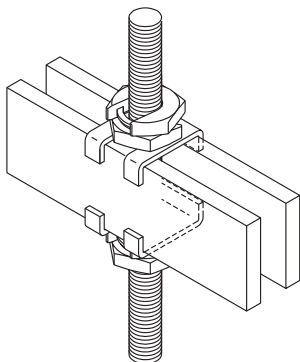
Allows easy installation of additional rack grids to existing grids by slipping clamps around 5/8" threaded rod.

• Material is steel finished with gold over zinc plating

Kit consists of:

• (2) slotted clamps

• (2) 5/8" Slip-On® Lock Nuts

Slip-On® is a registered trademark of Slip-On Lock Nut Co.

Part Number	Description in (mm)	Shipping Weight lb (kg)
11019-001	For 3/8 (9.53) Bar or Runway Stringer, 5/8" threaded rod	2 (0.9)
11019-002	For 9/16 (14.288) channel, 5/8" threaded rod	2 (0.9)

Framing Clip Kit, Cable Runway
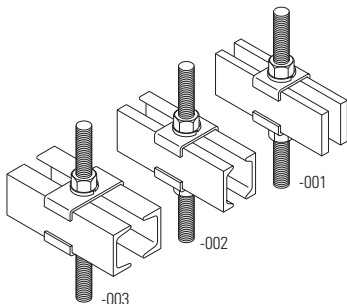
Creates a rigid connection between two adjacent grid or cable runway sections.

• Material is steel finished with gold over zinc plating; kit consists of 2 brackets only

• Installation will require:
  - (1) 5/8-11 or 1/2-13 threaded rod (of appropriate length)
  - (2) 5/8-11 or 1/2-13 hex nuts
  - (2) 5/8" or 1/2" split lock washers

-001

-002

-003

Part Number	Description in (mm)	Shipping Weight lb (kg)
5/8" Bolt Size		
10609-001	For 3/8 (9.53) Bar or Runway Stringer	1 (0.5)
10609-002	For 9/16 (14.288) Channel	1 (0.5)
10609-003	For 1 (30) Channel	1 (0.5)
1/2" Bolt Size		
10621-001	For 3/8 (9.53) Bar or Runway Stringer	1 (0.5)
10621-002	For 9/16 (14.288) Channel	1 (0.5)
10621-003	For 1 (30) Channel	1 (0.5)
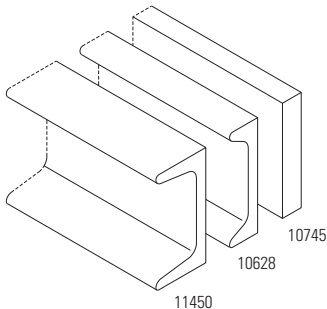
11450
10628
10745

Auxiliary Framing Channel, Cable Runway

• Steel channel or bar commonly used as auxiliary framing for Cable Runways
• Color is gray

Part Number	Color	Length ft (m)	Shipping Weight lb (kg)
1" x 2" x 3/16" (25 mm x 50 mm x 4.763 mm) Channel			
11450-101	Gray	10 (3)	24 (10.9)
9/16" x 2" x 3/16" (14.288 mm x 50 mm x 4.763 mm) Channel			
10628-102	Gray	10 (3)	17 (7.7)
3/8" x 2" (9.53 mm x 50 mm) Bar			
10745-106	Gray	6 (1.8)	14 (6.4)
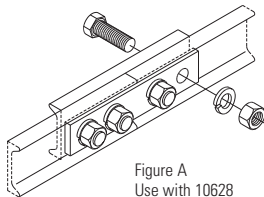
Figure A
Use with 10628

Heavy-Duty, Auxiliary Framing Channel Splice, Cable Runway

Provides extra strength to butt-splice framing channel.
• Drilling the framing channel is required
• Color is gray splice bars with gold hardware
Kit consists of:
• (1) channel splice, 6"L (150 mm)
• (1) steel bar splice, 6"L (150 mm)
• (4) 1/2-13 hex cap screws
• (4) 1/2-13 hex nuts and split lock washers
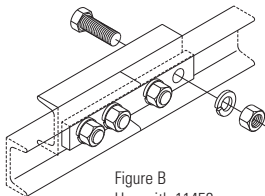
Figure B
Use with 11450

Part Number	Description in (mm)	Figure	Shipping Weight lb (kg)
10746-101	9/16 x 2 (14.288 x 50) Channel	A	3 (1.4)
10747-101	1 x 2 (25 x 50) Channel	B	3 (1.4)
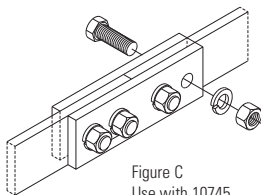
Auxiliary Framing Bar Splice Kit, Cable Runway

Butt-splices 3/8" x 2" (9.53 mm x 50 mm) Auxiliary Framing Bar.
• Drilling the framing bar is required
• Material is steel bar 1/4" x 2" x 6"L (6.4 mm x 50 mm x 150 mm)
• Color is gray with gold hardware
Kit consists of:
• (2) splice bars
• (4) 1/2-13 hex cap screws
• (4) 1/2-13 hex nuts and split lock washers

Figure C
Use with 10745

Part Number	Description in (mm)	Figure	Shipping Weight lb (kg)
10748-101	Bar Splice Kit	C	4 (1.8)
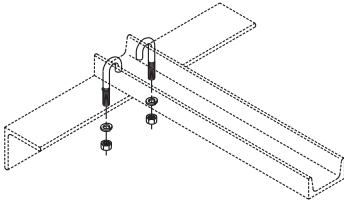
J–Bolt Kit, Auxiliary Framing Channel/Wall Angle Support

Used to attach a 2" x 1" (50 mm x 30 mm) auxiliary framing channel to a wall angle support.

• Finish is gold over zinc plating

Kit consists of 2 each:

• 1/4-20 x 1-3/4" J-Bolts
• 1/4-20 hex nuts
• 1/4 split lock washers

Part Number	Description	Shipping Weight lb (kg)
11303-000	J-Bolt Kit	1 (0.5)
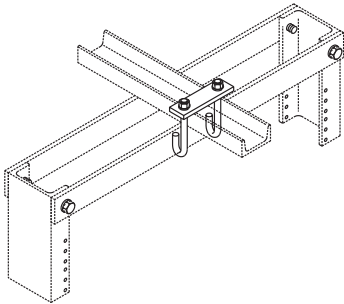
J–Bolt Kit, Auxiliary Framing Channel/Rack Top Bar

Used to attach a 2" x 1" (50 mm x 30 mm) auxiliary framing channel to a 1 1/2" (38 mm) equipment rack top bar.

• Finish is gold over zinc plating

Kit consists of:

• (1) 1/4" x 1" x 3-1/2" (6.4 mm x 30 mm x 89 mm) cold-rolled steel plate
• (2) 5/16-18 x 3-1/4" J-Bolts
• (2) 5/16-18 hex nuts and split lock washers

Part Number	Description	Shipping Weight lb (kg)
11305-000	J-Bolt Kit	1 (0.5)
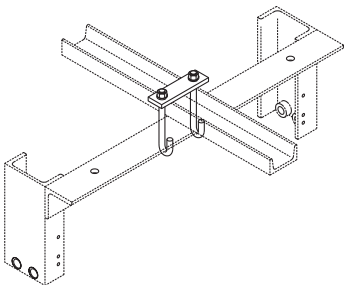
J–Bolt Kit, Auxiliary Framing Channel/Rack Top Angle

Used to attach a 2" x 1" (50 mm x 30 mm) auxiliary framing channel to a 2" x 2" (50 mm x 50 mm) equipment rack top angle.

• Finish is gold over zinc plating

Kit consists of:

• (1) 1/4" x 1" x 3-1/2" (6.4 mm x 30 mm x 89 mm) cold-rolled steel plate
• (2) 5/16-18 x 3-3/4" J-Bolts
• (2) 5/16-18 hex nuts and split lock washers

Part Number	Description	Shipping Weight lb (kg)
11304-000	J-Bolt Kit	1 (0.5)
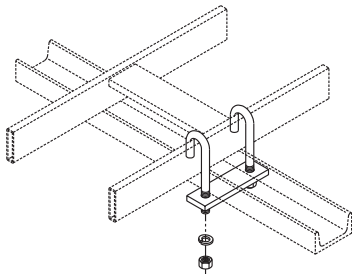
J–Bolt Kit, Auxiliary Framing Channel/Runway

To attach 1-1/2" (38 mm) Cable Runway to a 1" x 2" (30 mm x 50 mm) auxiliary framing channel without drilling.
• Gold over zinc plating

Kit consists of:
• (1) 1/4"x 1" x 3-1/2" (6.4 mm x 30 mm x 89 mm) cold-rolled steel plate
• (2) 5/16-18 x 3-1/4" J-Bolts
• (2) 5/16-18 hex nuts, split lock washers

Part Number	Description in (mm)	Shipping Weight lb (kg)
11306-001	For 1-1/2 (38) Side Stringers	1 (0.5)
11306-002	For 2 (50) Side Stringers	1 (0.5)
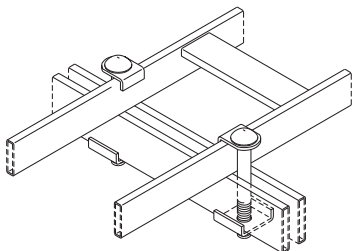
J–Bolt Clip Kit, Auxiliary Framing Channel/Cable Runway

For fastening Cable Runway to auxiliary framework. Material is steel finished with gold over zinc plating.

Kit consists of:
• (2) Clip J-Bolt
• (2) 1/2-13 split lock washer
• (2) 1/2-13 hex nut

Part Number	Description in (mm)	Shipping Weight lb (kg)
10635-003	For 3/8 x 2 (9.53 x 50) Bar	1 (0.5)
10635-005	For 9/16 x 2 (14.288 x 50) Channel	1 (0.5)
10635-007	For 1 x 2 (30 x 50) Channel	1 (0.5)
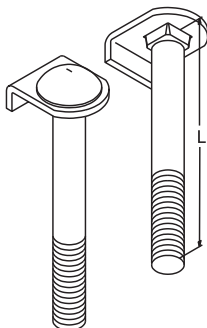
Clip J-Bolt, Auxiliary Framing Channel/Cable Runway

Used to attach Cable Runway to auxiliary framing.
• Sold individually
• Gold over zinc plating

Kit consists of:
• (1) 1/2-13 lock nut
• (1) 1/2 Split lock washer

Part Number	Description Nominal Size and Length	Shipping Weight lb (kg)
10620-003	1/2-13 x 4-3/8"	1 (0.5)
10620-004	1/2-13 x 4-7/8"	1 (0.5)

Spanner Kit, Auxiliary Framing Channel/Cable Runway
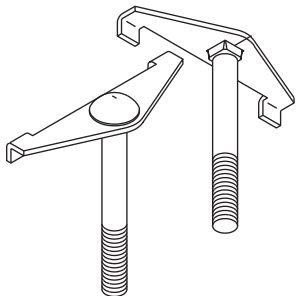
Used to attach Cable Runway to auxiliary framing.
• Gold over zinc plating, sold individually

Kit consists of:
• (1) Spanner Bolt
• (1) 1/2-13 split lock washer
• (1) 1/2-13 hex nut

Part Number	Description Nominal Size and Length	Shipping Weight lb (kg)
10702-001	1/2-13 x 4-3/8"	1 (0.5)
10702-002	1/2-13 x 4-7/8"	1 (0.5)

J–Bolts (Hook Bolt, Round Bend), Auxiliary Framing Channel/Cable
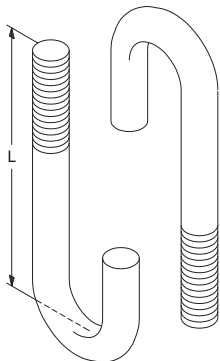
Used to bolt Cable Runway (11431 series only), auxiliary framing channels and/or bars together.
• Gold over zinc and black zinc plate finish
• Includes nut and split lock washer
• Commercial grade, kits sold individually

Part Number	Nominal Size	Length	Opening	Shipping Weight lb (kg)
11430-X01	1/4-20	1 3/4"	7/32	1 (0.5)
11430-X02	1/4-20	2"	7/32	1 (0.5)
11431-X01	5/16-18	2 1/4"	7/16	1 (0.5)
11431-X02	5/16-18	2 3/4"	7/16	1 (0.5)
11431-X03	5/16-18	3 1/4"	7/16	1 (0.5)
11431-X04	5/16-18	3 3/4"	9/32	1 (0.5)
11431-X05	5/16-18	3 3/4"	7/16	1 (0.5)
11431-X06	5/16-18	6 1/2"	7/16	1 (0.5)

X=color: 0=Gold, 7=Black

Mounting Kit, Auxiliary Framing Channel
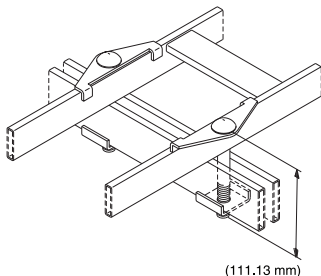
For fastening Cable Runway to auxiliary framework. Material is steel finished with gold over zinc plating.

Part Number	Description in (mm)	Shipping Weight lb (kg)
10709-001	For 3/8 x 2 (9.53 x 50) Bar, Pair	1 (0.5)
10709-003	For 9/16 x 2 (14.288 x 50) Channel, Pair	1 (0.5)
10709-005	For 1 x 2 (30 x 50) Channel, Pair	1 (0.5)

(111.13 mm)

CABLE RUNWAY SUPPORT PRODUCTS
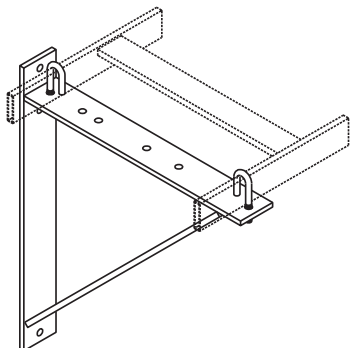
Triangular Support Bracket, Aluminum

Triangular Support Bracket provides wall support for Cable Runway. Made of 1/4" x 2" (6.4 mm x 50 mm) aluminum bar. Load rating is 100 lb (45.4 kg).

Kit consists of:
- (1) triangular bracket
- (2) 5/16-18 x 2 1/4" J-bolts
- (2) 5/16-18 hex nuts & 5/16 lock washers

Part Number	Runway Widths in (mm)	Shipping Weight lb (kg)
11312-X06	4-6 (100 - 150)	2 (0.9)
11312-X12	6-12 (150 - 300)	3 (1.4)
11312-X18	12-18 (300 - 460)	3 (1.4)

X=color: 1=Gray, 2=Computer Beige, 7=Black, E=Glacier White
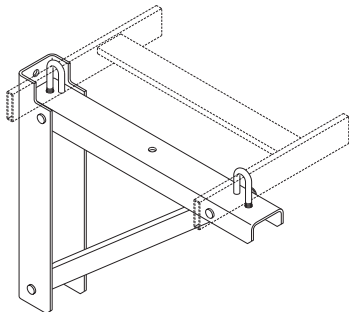
Triangular Support Bracket, Steel

Triangular Support Bracket provides wall support for cable runway. Made of cold-rolled steel. Load rating is 400 lb (181.4 kg).

Kit consists of:
- (1) vertical wall-mounting bracket
- (1) runway support channel
- (1) angle support channel
- (3) clevis pins (5/16" diameter) & cotter pins
- (2) 5/16-18 x 2 1/4" J-bolts
- (2) 5/16-18 hex nuts & 5/16 lock washers

Part Number	Runway Widths in (mm)	Shipping Weight lb (kg)
11746-X12	6, 12 (150, 300)	5 (2.3)
11746-X18	18 (460)	8 (3.6)
11746-X24	24 (610)	9 (4.1)

X=color: 0=Gold, 1=Gray, 2=Computer Beige, 7=Black, E=Glacier White. Kits have gold colored hardware. Gray (-1) and Black (-7) kits have black colored hardware.

Wall Angle Support Kit, Cable Runway

2" x 2" x .105" (50 mm x 50 mm x 2.67 mm) steel support angle is designed for wall-mounting specific widths of Cable Runway.

Kit consists of:

- (1) wall angle
- (2) 5/16-18 x 2 1/4" J-bolts
- (2) 5/16-18 hex nuts
- (2) 5/16 lock washers
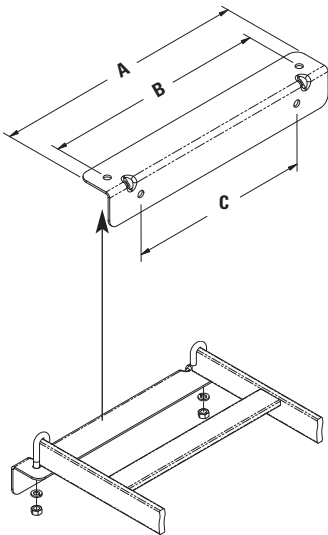
11421	Wall Angle Support Kit

Color	
1	Gray
2	Computer Beige
7	Black
0	Gold
E	Glacier White

	Runway Width in (mm)	Dim. A in (mm)	Dim. B in (mm)	Dim. C in (mm)
04	4 (100)	6 (150)	4.31 (109.5)	4.31 (109.5)
06	6 (150)	8 (200)	6.31 (160.3)	4 (100.0)
09	9 (230)	11 (280)	9.31 (236.5)	7 (180.0)
10	10 (250)	12 (300)	10.21 (261.9)	8 (200.0)
12	12 (300)	14 (360)	12.31 (312.7)	10 (250.0)
15	15 (380)	17 (430)	15.31 (388.9)	13 (330.0)
18	18 (460)	20 (510)	18.31 (465.1)	16 (410.0)
20	20 (510)	22 (560)	20.31 (515.9)	18 (460.0)
24	24 (610)	26 (660)	24.31 (617.5)	22 (460.0)
30	30 (760)	32 (810)	30.31 (769.9)	28 (710.0)

11421	-	X	XX

X=color: 0=Gold, 1=Gray, 2=Computer Beige, 7=Black, E=Glacier White. Kits have gold colored hardware. Gray (-1) and Black (-7) kits have black colored hardware.

Wall Angle, Cable Runway
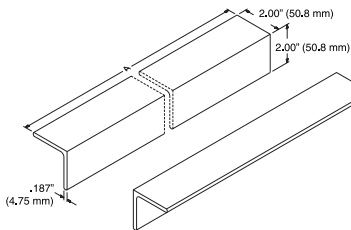
Steel angles used as a wall support or as part of earthquake bracing.
• Material is 2" x 2" x 3/16" (50 mm x 50 mm x 4.763 mm) steel
• Color used is gray (other colors available)
• Wall angle is not pre-drilled

Part Number	Dim. A ft (m)	Color	Shipping Weight lb (kg)
11420-101	1 (0.3)	Gray	3 (1.4)
11420-104	4 (1.2)	Gray	7 (3.2)
11420-108	8 (2.4)	Gray	20 (9.1)
11420-110	10 (3.0)	Gray	23 (10.4)

J-Bolt Kit, Cable Runway

To attach Cable Runway to Wall Angle Support, a Wall Support Bracket or to a MegaFrame® Cabinet.

Kit (wall angle/support) consists of:
• (2) 5/16-18 x 2-1/4" J-bolts (11431-001)
• (2) 5/16-18 hex nuts
• (2) 5/16 split lock washers

MegaFrame kit consists of:
• (4) 5/16-18 x 3-1/4" J-bolts
• (4) 5/16" split lock washers
• (4) 5/16-18 hex nuts
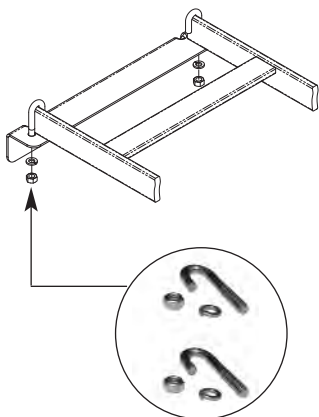
Part Number	Color	Shipping Weight lb (kg)
11308-X01	J-Bolt Kit	1 (0.5)
11308-X05	J-Bolt Kit, MegaFrame	1 (0.5)

X=color: 0=Gold, 7=Black

Foot Kit, Cable Runway

To attach and secure Cable Runway to a wall or floor. Foot made of 3/8" x 1-1/2" x 6"H (9.53 mm x 38 mm x 150 mm) steel.

Kit consists of:
• (2) cable rack feet
• (4) splice plates
• (2) 3/8-16 x 2 1/4" trimmed round head square neck bolts
• (2) 3/8-16 hex nuts
• (2) 3/8" lock washers
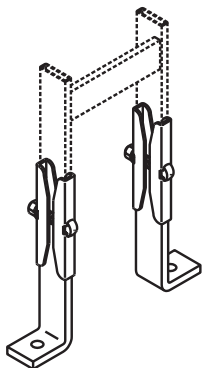
Part Number	Color	Shipping Weight lb (kg)
11309-X01	Foot Kit	4 (1.8)

X=color: 0=Gold, 1=Gray, 2=Computer Beige, 7=Black, E=Glacier White. Kits have gold colored hardware. Gray (-1) and Black (-7) kits have black colored hardware.

Adjustable Floor Support Stands, Cable Runway
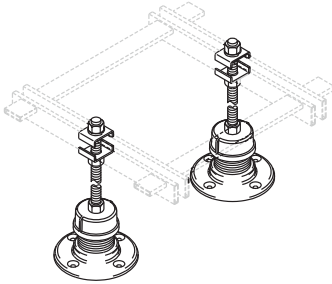
Use for floor support for cable runway grids.
• Sold in pairs
• Design allows mounting of any width cable runway
• Heights from 5" to 10" (130 mm to 250 mm)
• Should be securely fastened to floor

Kit consists of:
• (2) 2" pipe caps
• (2) floor flanges
• (2) 2" pipe
• (4) grid clamps
• (2) spacers, 3/8" x 1.5"
• (2) 5/8-11 threaded rod
• (2) 5/8 lock washers
• (6) 5/8-11 nuts

Part Number	Height in (mm)
11235-X01	5 to 6 (130 to 150)
11236-X01	6 to 8 (150 to 200)
11237-X01	8 to 10 (200 to 300)

X=color: 1=Gray, 2=Computer Beige, 7=Black, E=Glacier White.

Adjustable Floor Support Channel, Cable Runway
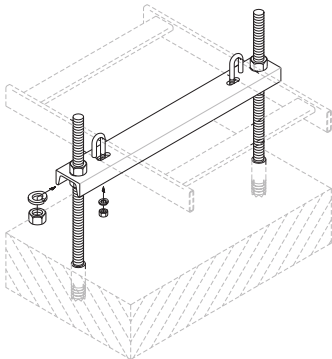
Use for floor support of Cable Runway.
• Sold in pairs
• Cable Runway height adjustable from 3" to 8" (80 mm to 200 mm)
• Must be securely fastened to floor with 5/8" rods and anchors (included)

Part Number	Runway Width in (mm)
11241-X01	12 (300)
11241-X01	15 (380)
11241-X01	18 (460)

X=color: 1=Gray, 2=Computer Beige, 7=Black, E=Glacier White. To install the anchors, use the specially designed anchor setting tool (P/N 06003-001); sold separately.

1/2 Pair Shown
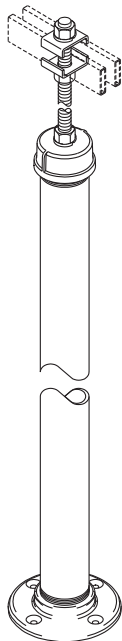
Tall Pipe Stand, Cable Runway

Supports auxiliary framing or Cable Runway from the floor.
• Material is steel
Kit consists of:
• (1) floor flange
• (1) appropriate length of 2" (50 mm) pipe
• (1) pipe cap, center drilled and tapped for a 5/8- 11 threaded rod (P/N 11440, not included)
• (3) 5/8-11 hex nuts
• (3) 5/8 split lock washers
• (4) 1/4-20 x 1 1/2" studs
• (4) 1/4-20 concrete anchors
• (4) 1/4-20 hex nuts
• (4) 1/4 Type B washers

Installation also requires:
• (1) grid clamp of appropriate width, See P/N 10609
• (1) 5/8-11 threaded rod of appropriate length, See P/N 11440

Note: Must be securely mounted to floor with included anchor kit.
Also, in the case of attachment to Cable Runway, you may need to use Runway Support Brackets, series 11408 or 10607.

Part Number	Description in (mm)	Overall Height ft (m)	Shipping Weight lb (kg)
10684-X01	2 x 79 (50 x 2010) Tall Pole	7 (2.1)	16 (7.3)
10684-X02	2 x 85 (50 x 2160) Tall Pole	7.6 (2.3)	18 (8.2)
10684-X03	2 x 91 (50 x 2310) Tall Pole	8 (2.4)	20 (9.1)
10684-X04	2 x 103 (50 x 2620) Tall Pole	9 (2.7)	24 (10.9)

X=color: 1=Gray, 2=Computer Beige, 7=Black, Glacier White.

To Ceiling

Drawing shows 2 kits

Note: Recommended spacing between ceiling kits is 5' (1.5 m). The ceiling hole diameter for P/N 11310 is .375" (9.5 mm) for 3/8" or M10 rod; .500" (12.7 mm) for 5/8" or M16 rod.
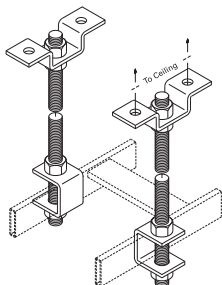
Threaded Ceiling Kit, Cable Runway

Used to suspend Cable Runway from the ceiling. Material is steel, finished with gold over zinc plating.
Kit consists of:
• (1) ceiling support bracket
• (1) either 3/8-16 x 6', 5/8-11 x 6', M10 x 2M or M16 x 2M threaded rod
• (1) runway support bracket
• (4) either 3/8-16, 5/8-11, M10 or M16 hex nuts

Part Number	Description	Shipping Weight lb (kg)
11310-001	Threaded Ceiling Kit, 3/8" Rod	3 (1.4)
11310-003	Threaded Ceiling Kit, 5/8" Rod	7 (3.2)
11310-093	Threaded Ceiling Kit, M10 x 2M	7 (3.2)
11310-094	Threaded Ceiling Kit, M16 x 2M	7 (3.2)

Threaded Drop Rods

Used to support Cable Runway from ceilings.
• Standard threads, various lengths
• Gold chem film over zinc plate finish

Part Number	Description	Shipping Weight lb (kg)
11440-001	3/8-16 UNC-2A rod, 6'L	2 (0.9)
11440-002	5/8-11 UNC-2A rod, 6'L	5 (2.3)
11440-003	3/8-16 UNC-2A rod, 12'L	5 (2.3)
11440-004	5/8-11 UNC-2A rod, 12'L	10 (4.5)
11440-005	5/8-11 UNC-2A rod, 8'L	7 (3.2)
11440-006	5/8-11 UNC-2A rod, 4'L	4 (1.8)
11440-007	5/8-11 UNC-2A rod, 6"L	1 (0.5)
11440-008	5/8-11 UNC-2A rod, 8"L	1 (0.5)
11440-009	5/8-11 UNC-2A rod, 5.5"L	1 (0.5)
11440-012	5/8-11 UNC-2A rod, 1'L	1 (0.5)
11440-024	5/8-11 UNC-2A rod, 2'L	2 (0.9)
11440-036	5/8-11 UNC-2A rod, 3'L	3 (1.4)
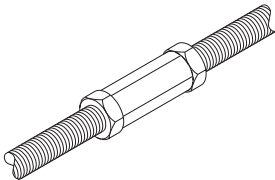
Threaded Rod Coupling Kit

Used to splice two threaded rods end to end.

Part Number	Description	Shipping Weight lb (kg)
10697-001	For 3/8" Rod	3 (1.4)
10697-002	For 5/8" Rod	3 (1.4)
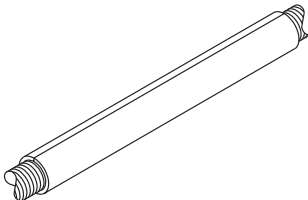
Threaded Rod Cover

Protects cable from damage during installation.
• Made of plastic PVC tubing. Gray I.D. = 0.630" (16 mm)

Part Number	Description Length - ft (m)	Shipping Weight lb (kg)
11085-001	Threaded Rod Cover, 10 (3)	5 (2.3)
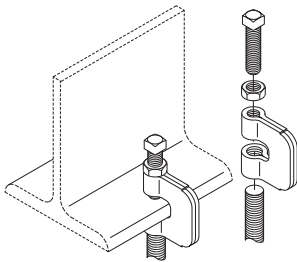
Threaded Rod I-Beam Clamps, Cable Runway

Fastens a 3/8" or 5/8" threaded rod to an I-beam.
• Material is cold-rolled steel
• Finish is gold over zinc plating

Part Number	Description	Shipping Weight lb (kg)
10557-001	For 3/8"-16 Threaded Rod	3 (1.4)
10557-003	For 5/8"-11 Threaded Rod	3 (1.4)
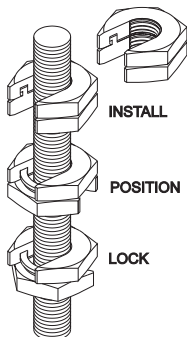
Slip-On® Lock Nut

Used to add a nut to threaded rod without having to thread from the end. Zinc plated. *Slip-On® is a registered trademark of Slip-On Lock Nut Co.*

Part Number	Description	Shipping Weight lb (kg)
03003-001	3/8"-16 Slip-On Lock Nut	1 (0.5)
03003-002	5/8"-11 Slip-On Lock Nut	1 (0.5)

Size in (mm)	Recommended Load - lb (kg)	Recommended Torque
3/8 (10)	2,000 (907.2)	19-25 ft/lb (26 Nm-34 Nm)
5/8 (16)	5,000 (2268.0)	100-120 ft/lb (135.6 Nm-162.7 Nm)

INSTALL

POSITION

LOCK
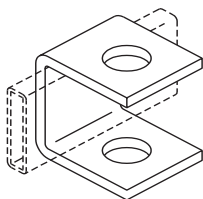
Runway Support Brackets

Secures threaded rod to Cable Runway. Mounting hardware not included.

Part Number	Description	Shipping Weight lb (kg)
11408-001	For 3/8" (10 mm) or M10 Rod and 1-1/2 (38) Stringers	1 (0.5)
11408-003	For 5/8" (16 mm) or M16 Rod and 1-1/2 (38) Stringers	1 (0.5)
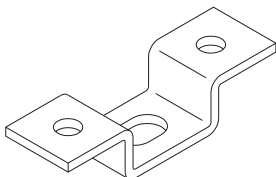
Ceiling Support Bracket

Used to attach threaded rod to ceiling. Hardware is not included.

Part Number	Description	Shipping Weight lb (kg)
11406-001	3/8" (10 mm) or M10 Rod	1 (0.5)
11406-002	5/8" (16 mm) or M16 Rod	1 (0.5)
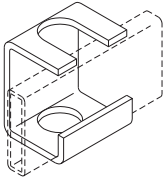
Slotted Support Bracket

Secures threaded rod to Cable Runway.
Kit consists of:
• (1) slotted support bracket
• (2) hex nuts
• (2) split lock washers

Part Number	Description in (mm)	Shipping Weight lb (kg)
10607-002	For 3/8 or M10 Rod and 1-1/2 (38) Stringers	1 (0.5)
10607-001	For 5/8 or M16 Rod and 1-1/2 (38) Stringers	1 (0.5)
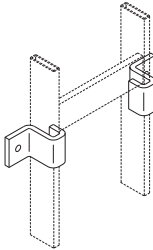
Vertical Wall Brackets

Used to secure Cable Runway with 1-1/2" x 3/8" (38 mm x 9.53 mm) stringers to a wall. Sold in pairs.
• Material is 1/4" x 1-1/2" (6.4 mm x 33 mm) steel
• Gold color over zinc plating or painted
• Wall mounting hardware not included

Part Number	Description	Shipping Weight lb (kg)
10608-X01	Runway Wall Brackets (Pair), Gold	1 (0.5)

X=color: 0=Gold, 1=Gray, 2=Computer Beige, 7=Black, Glacier White.
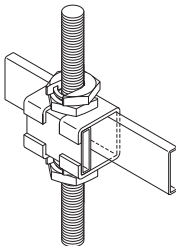
Slip-On® Support Bracket, Cable Runway

Provides easy additions of Cable Runway layers to existing cable racks by allowing support brackets and nuts to slip over drop rod.
• For use with 5/8" (16 mm) threaded rod only
• Finish is gold over zinc plating
Kit consists of:
• (2) patented Slip-On nut
• (1) slotted bracket
• (1) retainer piece

Part Number	Description	Shipping Weight lb (kg)
10873-001	Slip-on Support Bracket	1 (0.5)
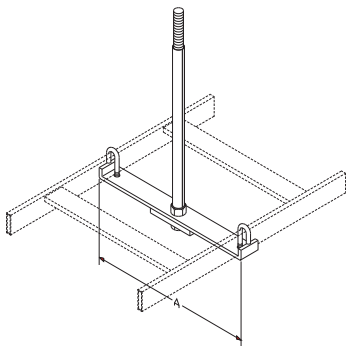
The Cable Runway Center Support Kit is available in sizes to support 6" to 24"W (150 mm to 610 mm) cable runway. Not included: Threaded Rod (P/N 11440-00X) and Ceiling Support Bracket (P/N 11406-002).

Cable Runway Center Support Kit

This kit has been designed to make installation of cable runway in the ceiling even easier by using just a single point of attachment. The center attachment design not only makes installation easy, but also provides quick and simple cable routing with no need to thread the cable between the runway supports. The support kit securely attaches to the cable runway stringer, eliminating possible dislocations.

• Made of steel
• Provides an "open" support system with quick and simple cable routing
• Threaded rod cover protects cable insulation from damage

Kit consists of:
• (1) support bracket
• (1) reinforcement bar
• (2) 5/8-11 hex nuts
• (1) 5/8 split lock washers
• (1) 12"L (300 mm) threaded rod cover
• (1) J-bolt kit (2 J-bolts; 2 nuts; 2 washers)

Part Number	Description Width - in (mm)	Dim. A in (mm)	Shipping Weight lb (kg)
12362-X06	6 (150)	6.56 (166.6)	2 (0.9)
12362-X12	12 (300)	12.56 (319.0)	2 (0.9)
12362-X15	15 (380)	16.20 (411.5)	3 (1.4)
12362-X18	18 (460)	19.20 (487.7)	4 (1.8)
12362-X24	24 (610)	25.20 (640.1)	5 (2.3)

X=color: 1=Gray, 2=Computer Beige, 7=Black, E=Glacier White. Kits have gold colored hardware. Gray (-1) and Black (-7) kits have black colored hardware.
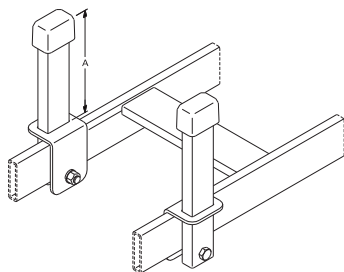
Post and bracket are gold over zinc plating or painted gray, black or white. White kits include gold color hardware. Gray and Black kits include black color hardware. End cap is black.

Cable Retaining Post

Provides extra cable depth to existing 1-1/2" (38 mm) cable runway installation. Mounts onto Cable Runway side stringers.

• Post is 1/2" x 1" x .065" (12.7 mm x 25.4 mm x 1.7 mm) wall rectangular steel tubing; bracket is 1046 steel

Kit consists of:
• (1) Post, bracket and end cap
• (1) 1/4-20 x 1-1/4" hex cap screw, split lock washer and hex nut

Part Number	Height "A" in (mm)	Shipping Weight lb (kg)
10596-X06	6 (150)	1 (0.5)
10596-X08	8 (200)	1 (0.5)
10596-X10	10 (250)	1 (0.5)
10596-X56	6 (150), Pack of 50	29 (13.2)
10596-X58	8 (200), Pack of 50	33 (15.0)
10596-X50	10 (250), Pack of 50	38 (17.2)

X=color: 1=Gray, 2=Computer Beige, 7=Black, E=Glacier White. Kits have gold colored hardware. Gray (-1) and Black (-7) kits have black colored hardware. End caps are black.

Cable Runway Insulator Bar Kit

Electrically isolates Cable Runway sections, isolating grounded sections of runway or where strong EMI/RFI fields could generate eddy-currents, which could disturb down-line equipment. Made of durable, non-conductive Delrin®.

Kit consists of:
- (2) insulator bars, 1.5"H x 3/8"W x 5.5"L (38 mm x 9.53 mm x 140 mm)
- (2) butt-splice kits (P/N/ 11301-001)

Part Number	Description	Shipping Weight lb (kg)
10842-001	Insulator Bar Kit, 1 Kit	2 (0.9)
10842-010	Insulator Bar Kit, 10 Kits	24 (10.9)
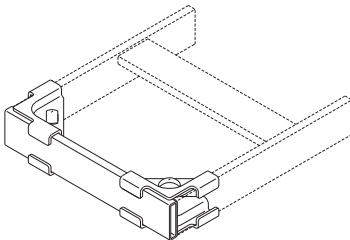
End Closing Kit, Cable Runway

Used to close an unspliced end of Cable Runway. Made of 3/8" x 1-1/2" x .065" (9.53 mm x 38 mm x 1.65 mm) thick rectangular steel tubing.

Kit consists of:
- (1) end closing bar
- (4) corner clamp plates
- (2) 3/8-16 x 1 3/8" trimmed round head square neck bolts
- (2) 3/8-16 hex nuts

Gold and Beige kits include gold color hardware. Gray and Black kits include black color hardware.

Part Number	Description	Width in (mm)
11700-X04	End Closing Kit, Cable Runway	4 (100)
11700-X05	End Closing Kit, Cable Runway	5 (130)
11700-X06	End Closing Kit, Cable Runway	6 (150)
11700-X09	End Closing Kit, Cable Runway	9 (230)
11700-X12	End Closing Kit, Cable Runway	12 (300)
11700-X15	End Closing Kit, Cable Runway	15 (380)
11700-X18	End Closing Kit, Cable Runway	18 (460)
11700-X20	End Closing Kit, Cable Runway	20 (510)
11700-X24	End Closing Kit, Cable Runway	24 (610)

X=color: 0=Gold, 1=Gray, 2=Computer Beige, 7=Black, E=Glacier White. Kits have gold colored hardware. Gray (-1) and Black (-7) kits have black colored hardware.

Cable Runway Tray

For use with Universal (10250) Cable Runway. Material is .032" (.81 mm) thick sheet aluminum. Length is 9' 11-1/2"/119.5" (3035 mm).

Part Number	Width in (mm)	Shipping Weight lb (kg)
10606-X06	6 (150)	2 (0.9)
10606-X09	9 (230)	3 (1.4)
10606-X12	12 (300)	4 (1.8)
10606-X15	15 (380)	5 (2.3)
10606-X18	18 (460)	6 (2.7)
10606-X24	24 (610)	9 (4.1)

X=color: 1=Gray, 2=Computer Beige, 7=Black, E=Glacier White.

Tray rests on cross members between stringers.
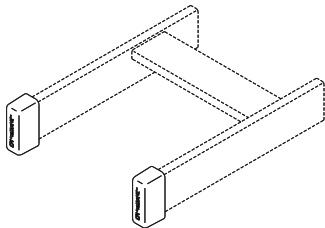
Protective End Caps For Runway

Covers and protects exposed ends of cable runway and auxiliary framing bar and channel. Reduces chances of personal injury and equipment damage.
• Made of fire-retardant flat black colored rubberized material
• Sold in pairs

Part Number	Description in (mm)	Shipping Weight lb (kg)
10642-001	For 1-1/2 x 3/8 (38 x 9.53) Stringer	1 (0.5)
10757-001	For 2 x 3/8 (50 x 9.53) Auxiliary Bar	1 (0.5)

4.24" (107.7 mm)

4.75" (120.7 mm)

.25" (6.4 mm)
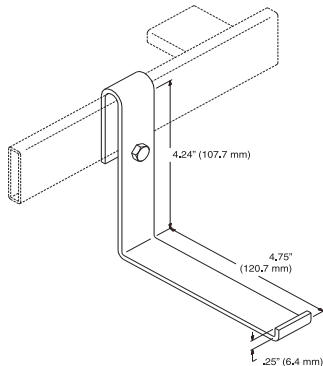
"L" Bracket, Cable Runway

Bracket provides a separate facility for running power conductors or other cables that should be physically separated from main cables.
• Made of 1/8" x 1" (3.18 mm x 30 mm) steel; gold finish/color over zinc plating

Kit consists of (1):
• Bracket for 1-1/2" stringer
• 1/4-20 x 3/4" hex bolt

Part Number	Description	Shipping Weight lb (kg)
11268-001	"L" Bracket	1 (0.5)

12 oz (340 g) pressurized can

Touch-Up Paint In Spray Can

Air dry lacquer for touching up finish. Matches color and gloss of CPI's textured paint; air dries to hard finish in minutes.

Part Number	Description oz (g)	Shipping Weight lb (kg)
25400-X00	12 (340) Spray Can	2 (0.9)

X=color: 1=Gray, 2=Computer Beige, 7=Black, E=Glacier White.

1 oz (30 g) bottle with applicator

Touch-Up Paint In Bottle

Air dry waterborne paint for touching up finish. Matches color and gloss of CPI's textured paint.

Part Number	Description oz (g)	Shipping Weight lb (kg)
25401-X00	1 (30) Bottle	2 (0.9)

X=color: 1=Gray, 2=Computer Beige, 7=Black, E=Glacier White.

Hex Nuts
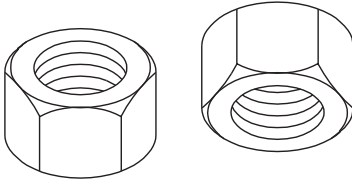
Sold individually

Part Number	Nominal Size	Finish	Shipping Weight lb (kg)
20142-071	1/4-20	Gold	1 (0.5)
20017-071	1/4-20	Zinc Plated	1 (0.5)
20142-081	5/16-18	Gold	1 (0.5)
20017-081	5/16-18	Zinc Plated	1 (0.5)
20142-091	3/8-16	Gold	1 (0.5)
20017-091	3/8-16	Zinc Plated	1 (0.5)
03001-001	1/2-13	Gold	1 (0.5)
20142-111	5/8-11	Gold	1 (0.5)

Split Lock Washers
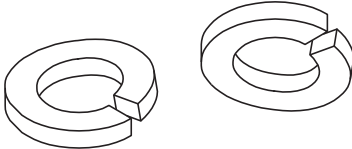
Sold individually

Part Number	Nominal Size	Finish	Shipping Weight lb (kg)
04003-002	1/4"	Gold	1 (0.5)
20015-070	1/4"	Zinc Plated	1 (0.5)
20141-080	5/16"	Gold	1 (0.5)
20015-080	5/16"	Zinc Plated	1 (0.5)
20141-090	3/8"	Gold	1 (0.5)
20015-090	3/8"	Zinc Plated	1 (0.5)
20141-100	1/2"	Gold	1 (0.5)
04003-001	5/8"	Gold	1 (0.5)

Washers: Type A Plain
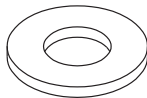
Sold individually

Part Number	Nominal Size	Finish	Shipping Weight lb (kg)
20283-012	5/16" Wide	Zinc Plated	1 (0.5)
04002-002	3/8" Wide	Gold	1 (0.5)
20283-013	3/8" Narrow	Zinc Plated	1 (0.5)
04002-001	5/8" Wide	Gold	1 (0.5)
20283-022	5/8" Wide	Zinc Plated	1 (0.5)
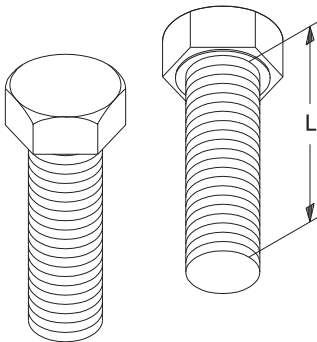
Hex Cap Bolts

Also called Washer Faced Hex Cap Screws.
• Commercial grade
• Zinc plate or gold finish

Part Number	Nominal Size	Finish	Length
20290-106	1/4-20	Zinc Plated	3/4"
20290-118	1/4-20	Zinc Plated	2-1/4"
20290-216	5/16-18	Zinc Plated	2"
20290-307	3/8-16	Zinc Plated	7/8"
02004-001	3/8-16	Gold	1-1/4"
02004-002	1/4-20	Gold	1-1/4"
02004-003	1/2-13	Gold	1-1/2"
02004-004	3/8-16	Gold	1-1/2"
02004-005	1/2-13	Gold	1-3/4"
02004-006	5/8-11	Gold	1-1/4"
02004-007	5/8-11	Gold	3-1/4"
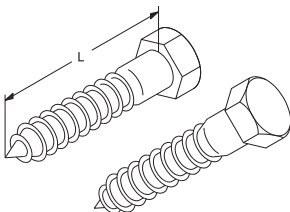
Hex Lag Screw

Used to install racks onto wood or other soft surfaces.
• Gold over zinc plate finish

Part Number	Nominal Size	Length	Shipping Weight lb (kg)
02006-001	1/2-6	2"	1 (0.5)
02006-002	5/8-5	2"	1 (0.5)
02007-004	1/4-10	2"	1 (0.5)
20098-832	3/8-7	2"	1 (0.5)

Sold individually

POWER MANAGEMENT PRODUCTS

Power Strips & Power Distribution Units for Racks & Cabinets

POWER MANAGEMENT PRODUCTS

CPI offers an extensive line of power management products that deliver safe and efficient power distribution to critical applications. Ranging from intelligent monitoring and switching capabilities from eConnect Power Distribution Units (PDUs), to basic Power Strips and In-Line Meters, each of CPI's power management products are specifically designed with flexibility and scalability in mind.

CPI Power Management Products features:
eConnect Power Distribution Units (PDUs) – Vertical Configurations
• Feature levels: Basic, Monitored, Monitored-Pro, Switched and Switched-Pro
   - Basic: Simple, reliable power distribution when no power monitoring is required
   - Monitored: Includes local current and remote network power monitoring for combined equipment loads
   - Monitored-Pro: Monitored features plus remote power monitoring for each outlet, which measures load for each piece of equipment
   - Switched: Monitored features plus remote control to turn on and off each outlet and cycle power to equipment
   - Switched-Pro: Provides power monitoring and control for each outlet, allowing remote access to measure and cycle power for each piece of equipment attached to PDU
• Single-Phase and Three-Phase plugs
• UL Listed

PDUs
Horizontal rack-mount PDUs for lower density applications, and high amperage vertical-mount PDUs for concentrated cabinet power loads with basic local and remote network current monitoring (Amperes only) capabilities.

Power Strips – Vertical and Horizontal Configurations
Basic, dependable power distribution with optional local monitoring for applications that do not require remote network power monitoring.
• NEMA-IEC and country-specific plug-to-receptacle combinations
• NEMA models are UL Listed

PowerScope In-Line Power Meter
• Upgrade existing basic and metered PDUs with remote network monitoring
• Remote monitoring of current use (Amperes only), temperature and humidity
• Optional local meters; Single-Input and Dual-Input models; Single- and Three-Phase plugs

Uninterruptable Power Supplies
• 600VA to 10kVA line-interactive and online double conversion UPS from General Electric

Choose Your Functionality

One of the most crucial steps toward ensuring confidence and uptime for your data center's power management is finding a Power Strip or PDU that best fits your needs. To help you select the best solution for your facility, all CPI Power Management Products are grouped into levels of functionality, as listed below:

Functionality	eConnect PDU	PDU	Power Strip
Basic	x	x	x
Metered		x	x
Monitored	x	x	
Monitored Pro	x		
Switched	x	x	
Switched Pro	x		

eConnect PDUs, PDUs and Power Strip Options

Below is a quick comparison across eConnect PDUs, PDUs and CPI Power Strips. Note that all models may not support "included features".

Feature Comparison eConnect™ PDUs, PDUs and CPI Power Strips			
Included Feature	**eConnect PDU**	**PDU**	**Power Strip**
Universal Tool-less Mounting for Cabinets	x	x	x
Low Profile Design	x		
Use in High Temperature Applications - 149°F (65°C) Ready	x		
Branch/Phase Circuit Breakers	x	x	x
Branch/Phase Monitoring (Voltage, Current, Power, Power Factor, Energy)	x	Current Only	Current Only
Local Digital LED Display		Current Only	Current Only
Local Multi-functional LCD Display	x		
Temp/Humidity Sensor Port/Monitoring	x	x	
Second Temp/Humidity Sensor	x		
Network Access for Remote Monitoring (IPv4, IPv6)	x	IPv4 Only	
Network Setup from Local Display	x		
Built-in Web Interface and GUI	x	x	
IP Consolidation (PDU Linking)	x		
Set Alarm Thresholds	x	x	
Forward Alarms as SNMP Traps (v1 / v2 / v3)	x	SMNPv1 Only	
Monitored Outlets (Voltage, Current, Power, Energy)	x		
Email Alarm Notification	x		
Event and Data Logging (Alarms, Metrics, Logins, Setup Changes)	x		
Group Outlets for Remote Current Monitoring	x		
Switched Outlets	x	x	
Cycle Individual Outlets Remotely	x	x	
Cycle Multiple Outlets Simultaneously	x		

ORDERING INFORMATION

Power Receptacles/Outlets

NEMA 5-15R 120 VAC/20A	NEMA 5-20R 120 VAC/20A	IEC320 C13 UL: 120/208VAC/15A CE: 208VAC/10A	IEC320 C19 UL: 120/208VAC/20A CE: 208VAC/16A

Power Plugs:

NEMA, Single-Phase and Split-Phase Locking

NEMA L5-20P 110-125VAC/20A	NEMA L5-30P 110-125VAC/30A	NEMA L6-20P 200-240VAC/20A	NEMA L6-30P 200-240VAC/30A	NEMA L14-20P 120-240VAC/20A	NEMA L14-30P 120-240VAC/30A	NEMA L5-15P 110-125VAC/15A	NEMA L6-15P 200-240VAC/15A

NEMA, Single-Phase/Non-Locking

NEMA 5-15P 110-125 VAC/15A	NEMA 5-20P 110-125 VAC/20A	NEMA 6-15P 200-240 VAC/15A	NEMA 6-20P 200-240 VAC/20A

NEMA and CS, Three-Phase/Locking

NEMA L15-20P 208 VAC/20A	NEMA L15-30P 208 VAC/30A	NEMA L21-20P 208 VAC/20A	NEMA L21-30P 208 VAC/30A	NEMA L22-20P 380-415 VAC/20A	50A CS8365C 208 VAC/40A*

Note: 50A CS8365C is rated for 50A, but maximum input is 40A on three breaker PDUs.

IEC Power Inlet - Universal/Locking

IEC C20 110-125 VAC/20A	IEC C20 200-240 VAC/20A	IEC 16A 2P+E 200-240 VAC/16A	IEC 32A 2P+E 200-240 VAC/32A	IEC 16A 4P+E 380-415 VAC/16A

Use CPI's online Power Configurator to quickly choose from Power Strips, PDUs or eConnect PDUs with various input/output plug combinations and capabilities. This online tool guides you through each step of identifying the monitoring, switching and outlet needs of your PDU. Visit *www.chatsworth.com/configurator* for the CPI Product Configurator.

eConnect PDUs

eConnect PDUs connect you to your evolving enterprise data center with an intelligent power solution that has been engineered to meet the unique thermal challenges of virtually any full-size cabinet or rack configuration. Pushed by consolidation, virtualization and cloud computing, the growing number of kilowatts demanded from each cabinet has intensified the need for a PDU that can withstand increasing heat loads and maximize efficiency through advanced monitoring. Featuring a low profile design that reduces airflow disruptions, an ambient air temperature rating of 149°F (65°C) and more than 160 standard configurations, eConnect PDUs are the ultimate connecting point between thermal innovation and intelligent power distribution.

eConnect PDU Features

- High temperature rating - designed to withstand high ambient air temperatures up to 149°F (65°C) for use in contained spaces and ducted cabinets
- Universal mounting - includes adjustable, tool-less installation hardware that is spaced to match the mounting brackets in most equipment cabinets
- Low profile design - slender chassis fits in the space behind the equipment mounting rails in equipment cabinets allowing more space for airflow and cables
- Multi function display - interactive screen on networked models displays branch power, temperature and humidity measurements, summarizes alarms and allows basic network setup without a computer
- PDU linking (IP consolidation) - connect any combination of up to 20 PDUs together and access all PDUs through a single IP address using the built-in web interface
- Power monitoring and control - progressive features on select models provide remote power monitoring and switching of individual outlets using the built-in web interface

Universal Mounting - Adjustable, tool-less installation hardware that is spaced to match the mounting brackets in most equipment cabinets.

Feature Comparison – eConnect™ PDUs

Included Feature	Basic	Monitored	Monitored Pro	Switched	Switched Pro
Universal Tool-less Mounting for Cabinets	x	x	x	x	x
Low Profile Design	x	x	x	x	x
Use in High Temperature Applications 149°F (65°C) Ready	x	x	x	x	x
Branch/Phase Circuit Breakers	x	x	x	x	x
Branch/Phase Monitoring (Voltage, Current, Power, Power Factor, Energy)		x	x	x	x
Local Multi-functional LCD Display (Branch Monitoring, Alarms)		x	x	x	x
Temp/Humidity Sensor Port/Monitoring		x	x	x	x
Second Temp/Humidity Sensor		x	x	x	x
Network Access for Remote Monitoring (IPv4, IPv6)		x	x	x	x
Network Setup from Local Display		x	x	x	x
Built-in Web Interface and GUI		x	x	x	x
IP Consolidation (PDU Linking)		x	x	x	x
Set Alarm Thresholds		x	x	x	x
Forward SNMP Traps (v1 / v2 / v3)		x	x	x	x
Email Alarm Notification		x	x	x	x
Event and Data Logging (Alarms, Metrics, Logins, Setup Changes)		x	x	x	x
Monitored Outlets (Voltage, Current, Power, Energy)			x		x
Group Outlets for Remote Current Monitoring			x		x
Switched Outlets				x	x
Cycle Individual Outlets Remotely				x	x
Cycle Multiple Outlets Simultaneously				x	x
Input Power Configurations					
110-125 VAC, Single-Phase	x	x	x	x	x
110-240 VAC, Single-Phase (includes C20 inlet)	x	x	x	x	x
200-240 VAC, Single-Phase	x	x	x	x	x
120/240 VAC, Split-Phase	x	x			
208 VAC, Three-Phase	x	x	x	x	x
380-415 VAC, Three-Phase	x	x	x	x	x

Basic eConnect PDU

Designed on the same universal chassis as all eConnect PDUs, the Basic PDU is a reliable solution for your power distribution needs with tool-less mounting, a low profile and numerous plug configurations. The Basic PDU is also equipped with an ambient temperature rating of 149°F (65°C), making it ideal for energy efficient applications such as Hot Aisle Containment.

- Reliable in high temperature environments up to 149°F (65°C) for confident power delivery in any hot aisle containment environment and full implementation of the newest ASHRAE recommendations
- Universal tool-less mounting fits most cabinets with 64.75" (1645 mm) spacing and alternate 61.25" (1556 mm) spacing
- Low profile design fits in the zero U space behind the rear mounting rail and does not block exhaust airflow from equipment
- Various combinations of IEC C13, IEC C19 and NEMA 5-20R outlets deliver 208 nominal or 120 nominal VAC to equipment
- Outlets are spaced and grouped for convenience and have snap-on power cord retention tethers to secure C13 and C19 connections
- Low profile, UL 489 listed, two-pole, hydraulic magnetic breakers resist the effects of high temperatures and limit current to protect equipment
- On multi-breaker PDUs, breaker and outlet groups are color coded for easy identification
- Various IEC and NEMA style plugs for power inputs or IEC C20 inlets that allow site specific power cords

Specifications:

- Circuit Protection:
  - UL 489 listed, two-pole, hydraulic-magnetic breakers resist effects of high temperatures
  - Low profile design minimizes size of breaker boxes on PDUs and accidental discharge
- Bonding/Grounding:
  - All PDUs have a grounded power inlet/plug and an external ground connection with a threaded M5 attachment point
  - Includes a grounding kit with a 12"L (300 mm), 12 AWG stranded copper wire jumper
- Certifications:
  - UL
  - CSA C22.2 (Canada)
  - CE (EU)
  - FCC Part 15, Class A
  - EN 55022
  - RoHS Compliant
- Installation Hardware:
  - Includes two tool-less mounting shoulder washers and installation hardware
  - The PDU can be installed with the inlet power cord near the top or bottom of the cabinet
  - Washers can be installed spaced 64.75" (1645 mm) or 61.25" (1556 mm) apart to match most rack/cabinet mounting brackets
  - The washers can also be offset 2" (51 mm) to provide additional space at the top or bottom of the cabinet for the power cord in shorter cabinets
- Rack/Cabinet Mounting Brackets:
  - Not included with PDU, order separately
  - Included with most CPI Cabinets, check cabinet specifications

P1-1N0G3
(30) C13,
(6) C19

P1-1D0B5
(36) 5-20R

P1-1A1A5
(24) 5-20R

Features available on the Basic eConnect PDU are available on all eConnect PDUs.

BASIC eCONNECT PDU

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW*	Plug	Breakers	Outlets	H	W	D
110-125 Volt, Single-Phase PDUs								
P1-1A1A5	20	1.9	IEC C20**	1 x 20A	(24) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1C0A5	20	1.9	NEMA L5-20P	1 x 20A	(24) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1D0A5	30	2.9	NEMA L5-30P	2 x 20A	(24) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1D0B5	30	2.9	NEMA L5-30P	2 x 20A	(36) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
110-125 or 200-240 Volt, Single-Phase PDUs								
P1-1A1E3	20	1.9 or 3.3	IEC C20**	1 x 20A	(24) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
200-240 Volt, Single-Phase PDUs								
P1-1E0E3	20	3.3	NEMA L6-20P	1 x 20A	(24) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1F0B1	30	5.0	NEMA L6-30P	2 x 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1F0E3	30	5.0	NEMA L6-30P	2 x 20A	(24) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1F0G3	30	5.0	NEMA L6-30P	2 x 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1G0E3	16	2.7	IEC 16A 2P+E	1 x 16A	(24) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1H0B1	32	5.3	IEC 32A 2P+E	2 x 16A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1H0E3	32	5.3	IEC 32A 2P+E	2 x 16A	(24) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1H0G3	32	5.3	IEC 32A 2P+E	2 x 16A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
120/240 Volt, Split-Phase PDUs								
P1-1J0K4	20	3.3	NEMA L14-20P	1 x 20A	(24) C13, (6) C19, (6) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1K0K4	30	5.0	NEMA L14-30P	2 x 20A	(24) C13, (6) C19, (6) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
208 Volt, Three-Phase PDUs								
P1-1L0B1	20	5.8	NEMA L15-20P	3 x 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1L0G3	20	5.8	NEMA L15-20P	3 x 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1N0B1	20	5.8	NEMA L21-20P	3 x 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1N0B5	20	5.8	NEMA L21-20P	3 x 20A	(36) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1N0K4	20	5.8	NEMA L21-20P	3 x 20A	(24) C13, (6) C19, (6) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1N0L4	20	5.8	NEMA L21-20P	3 x 20A	(24) C13, (9) C19, (3) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1N0G3	20	5.8	NEMA L21-20P	3 x 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1M0B1	30	8.6	NEMA L15-30P	3 x 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1M0G3	30	8.6	NEMA L15-30P	3 x 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1P0B1	30	8.6	NEMA L21-30P	3 x 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1P0B5	30	8.6	NEMA L21-30P	3 x 20A	(36) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1P0K4	30	8.6	NEMA L21-30P	3 x 20A	(24) C13, (6) C19, (6) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1P0L4	30	8.6	NEMA L21-30P	3 x 20A	(24) C13, (9) C19, (3) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1P0G3	30	8.6	NEMA L21-30P	3 x 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1T0B1	50	12.6	50A CS8365C	3 x 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1T0F3	50	12.6	50A CS8365C	3 x 20A	(24) C13, (12) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1T0G3	50	12.6	50A CS8365C	3 x 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW*	Plug	Breakers	Outlets	H	W	D
380-415 Volt, Three-Phase PDUs								
P1-1Q0B1	20	11.1	NEMA L22-20P	3 x 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1Q0G3	20	11.1	NEMA L22-20P	3 x 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1W0B1	16	8.9	IEC 16A 4P+E	3 x 16A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P1-1W0G3	16	8.9	IEC 16A 4P+E	3 x 16A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)

Ordering Notes: Order mounting brackets separately. On Single-Phase PDUs, output voltage equals input voltage. On Split- and Three-Phase PDUs, 208 VAC output through C13 and C19 outlets; 120 VAC output through NEMA 5-20R outlets.
* For kW column, all values are derated calculations per UL for use in North America. For 50A PDUs, the 50A CS8365C plug is rated for 50A, but maximum input is 35A (12.6 kw) on three breaker PDUs.
** Order power cord separately for PDU with C20 input, see page 7-30.

Dimensional Drawing:

2.165 [55]

70.500 [1790.70]
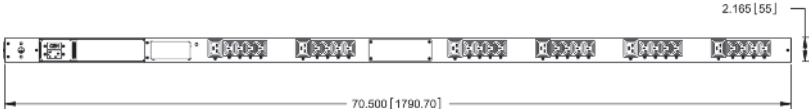
P1-1A1E3 shown)

P3-1N0G3
(30) C13,
(6) C19

P3-1D0B5
(36) 5-20R

P3-1C0A5
(24) 5-20R

Monitored eConnect PDUs include all the features available on Basic PDUs, including a low profile chassis, ambient temperature rating of 149°F (65°C) and multiple outlet combinations in the same PDU.

Monitored eConnect PDU

View a snapshot of your equipment rack's overall power usage with CPI's Monitored eConnect PDU. Accessible locally by a LCD screen or remotely over an IP connection, data center managers can view individual PDUs or link them together and use the built-in web interface to determine which cabinets and racks are the biggest strain on their daily IT budget.

• Continuous voltage, current, power,power factor and energy monitoring for each branch or phase (breaker) on the unit
• Supplies ±1% accuracy power measurement
• Includes an external connection for two probes with temperature and humidity sensors for monitoring   environmental conditions in your cabinet
• Easy to read central display provides detailed information about total power usage, alarms and   environmental conditions when sensors are attached
• Quick and easy network setup of the IP address and subnet mask using the local display attaches PDU directly to your network
• Access the PDU remotely using a web browser for detailed measurements and power totals and to set upper and lower threshold alarms for power, temperature and humidity
• PDU linking feature allows you to connect up to 20 PDUs together and access all of the PDUs using a single IP connection and one IP address
• The web browser lets you easily click between linked PDUs and any alarms are indicated by color coding and summarized on a separate tab
• Forward email alarm notifications, log data and events to keep a record of power use and alarms
• Ability to monitor the PDU with a third-party software that accepts SNMP traps or through a direct serial connection

Specifications:

• Network/External Connections:
  - (1) 10/100 Mbps RJ-45 Ethernet connection (IPv4 and IPv6)
  - (1) RJ11 Environmental Probe connection
  - (1) RJ45 Serial/PDU In linking connection (RS-232)
  - (1) RJ45 PDU Out linking connection
  - (1) USB port for firmware updates
• Internal Metering:
  - Monitors unit voltage, current, power (kW), power factor and energy (kWh) at each breaker; ±1% metering accuracy
• Local Display:
  - Liquid Crystal Display (LCD) for easy viewing; allows initial setup of IP and subnet addresses without computer
  - Displays unit voltage, current, power and power factor for attached equipment load; separate LED flashes red on alarm
• Network Monitoring:
  - Monitor total voltage, current, power, power factor and energy through the Ethernet using a web browser (HTTP and HTTPS), SSH2 or Telnet, or an application that accepts alarms as SNMP v1, v2c or v3 traps
  - Monitor temperature and humidity when external environmental probe is attached to the PDU, set and automatically monitor high and low alarm thresholds for power, temperature and humidity
  - Log data and events and receive alarm notifications by email
• IP Consolidation (PDU Linking):
  - Use the PDU In/Out connections to link up to 20 PDUs together using standard RJ45 Cat 5/6 patch cords
  - View all connected PDUs through a single network connection and IP address

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW*	Plug	Breakers	Outlets	H	W	D
110-125 Volt, Single-Phase PDUs								
P3-1A1A5	20	1.9	IEC C20**	1 x 20A	(24) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P3-1A1B5	20	1.9	IEC C20**	1 x 20A	(36) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P3-1C0A5	20	1.9	NEMA L5-20P	1 x 20A	(24) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P3-1C0B5	20	1.9	NEMA L5-20P	1 x 20A	(36) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P3-1D0A5	30	2.9	NEMA L5-30P	2 x 20A	(24) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P3-1D0B5	30	2.9	NEMA L5-30P	2 x 20A	(36) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
110-125 or 200-240 Volt, Single-Phase PDUs								
P3-1A1E3	20	1.9 or 3.3	IEC C20**	1 x 20A	(24) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
200-240 Volt, Single-Phase PDUs								
P3-1E0E3	20	3.3	NEMA L6-20P	1 x 20A	(24) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P3-1F0B1	30	5.0	NEMA L6-30P	2 x 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P3-1F0E3	30	5.0	NEMA L6-30P	2 x 20A	(24) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P3-1F0G3	30	5.0	NEMA L6-30P	2 x 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P3-1G0E3	16	2.7	IEC 16A 2P+E	1 x 16A	(24) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P3-1H0B1	32	5.3	IEC 32A 2P+E	2 x 16A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P3-1H0E3	32	5.3	IEC 32A 2P+E	2 x 16A	(24) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P3-1H0G3	32	5.3	IEC 32A 2P+E	2 x 16A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
120/240 Volt, Split-Phase PDUs								
P3-1J0K4	20	3.3	NEMA L14-20P	1 x 20A	(24) C13, (6) C19, (6) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P3-1K0K4	30	5.0	NEMA L14-30P	2 x 20A	(24) C13, (6) C19, (6) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
208 Volt, Three-Phase PDUs								
P3-1L0B1	20	5.8	NEMA L15-20P	3 x 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P3-1L0G3	20	5.8	NEMA L15-20P	3 x 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P3-1N0K4	20	5.8	NEMA L21-20P	3 x 20A	(24) C13, (6) C19, (6) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P3-1N0L4	20	5.8	NEMA L21-20P	3 x 20A	(24) C13, (9) C19, (3) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P3-1N0B1	20	5.8	NEMA L21-20P	3 x 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P3-1N0B5	20	5.8	NEMA L21-20P	3 x 20A	(36) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P3-1N0G3	20	5.8	NEMA L21-20P	3 x 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P3-1M0B1	30	8.6	NEMA L15-30P	3 x 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P3-1M0G3	30	8.6	NEMA L15-30P	3 x 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P3-1P0K4	30	8.6	NEMA L21-30P	3 x 20A	(24) C13, (6) C19, (6) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P3-1P0L4	30	8.6	NEMA L21-30P	3 x 20A	(24) C13, (9) C19, (3) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P3-1P0B1	30	8.6	NEMA L21-30P	3 x 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P3-1P0B5	30	8.6	NEMA L21-30P	3 x 20A	(36) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P3-1P0G3	30	8.6	NEMA L21-30P	3 x 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P3-1T0B1	50	12.6	50A CS8365C	3 x 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P3-1T0F3	50	12.6	50A CS8365C	3 x 20A	(24) C13, (12) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P3-1T0G3	50	12.6	50A CS8365C	3 x 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)

MONITORED eCONNECT PDU

Part	Input			Output		Dims - in (mm)		
Number	Amp	kW*	Plug	Breakers	Outlets	H	W	D
380-415 Volt, Three-Phase PDUs								
P3-1Q0B1	20	11.1	L22-20P	3 x 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P3-1Q0G3	20	11.1	L22-20P	3 x 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P3-1W0B1	16	8.9	IEC 16A 4P+E	3 x 16A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P3-1W0G3	16	8.9	IEC 16A 4P+E	3 x 16A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)

Ordering Notes: Order mounting brackets separately. On Single-Phase PDUs, output voltage equals input voltage. On Split- and Three-Phase PDUs, 208 VAC output through C13 and C19 outlets; 120 VAC output through NEMA 5-20R outlets.
* For kW column, all values are derated calculations per UL for use in North America. For 50A PDUs, the 50A CS8365C plug is rated for 50A, but maximum input is 35A (12.6 kw) on three breaker PDUs.
** Order power cord separately for PDU with C20 input, see page 7-30.

Dimensional Drawing:

(P3-1T0F3 shown)
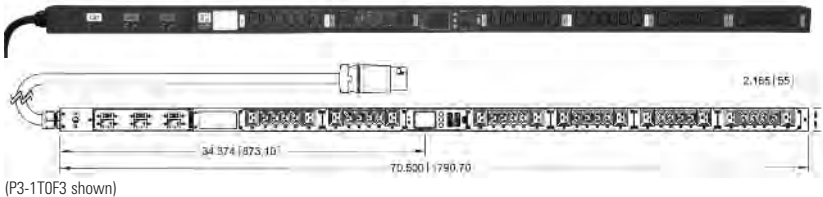
Easy-to-Read, LCD display screen
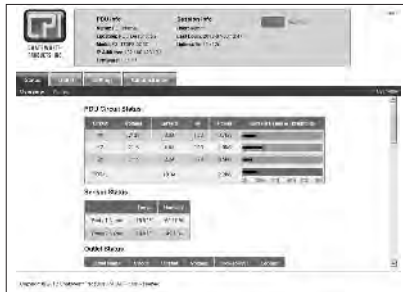
Remote Network Monitoring - ability to monitor the PDU with a web browser

Monitored Pro eConnect PDU

To manage how much power your equipment uses on a daily basis, you must first have a reliable way of measuring that usage. The Monitored Pro eConnect PDU monitors power use through each outlet and is ideal for colocation facilities that monitor power consumption or data center managers searching for efficiencies on individual pieces of equipment. Monitored Pro eConnect PDUs also allow remote and IP access to monitoring features for outlet grouping and naming across one or multiple PDUs for a mix of equipment assigned to different users or customers.

- Continuous voltage, current, power and energy monitoring for each outlet on the unit that can be remotely monitored using a web browser
- Outlets are numbered for easy identification
- Name outlets to more easily associate outlets with equipment
- Group outlets to see total current use for several pieces of connected equipment
- Set alarms for upper and lower current thresholds for each outlet

Specifications:

- Circuit Protection:
  - UL 489 listed, two-pole, hydraulic-magnetic breakers to resist effects of high temperatures
  - Low profile design minimizes size of breaker
- Network/External Connections:
  - (1) 10/100 Mbps RJ-45 Ethernet connection (IPv4 and IPv6)
  - (1) RJ11 Environmental Probe connection
  - (1) RJ45 Serial/PDU In linking connection (RS-232)
  - (1) RJ45 PDU Out linking connection
  - (1) USB port for firmware updates
- Internal Metering:
  - Monitors unit voltage, current, power (kW), power factor and energy (kWh) at each breaker; ±1% metering accuracy
- Local Display:
  - Liquid Crystal Display (LCD) for easy viewing; allows initial setup of IP and subnet addresses without computer
  - Displays unit voltage, current, power and power factor for attached equipment load; separate LED flashes red on alarm
- Network Monitoring:
  - Monitor total voltage, current, power, power factor and energy through the Ethernet using a web browser (HTTP and HTTPS), SSH2 or Telnet, or an application that accepts alarms as SNMP v1, v2c or v3 traps
  - Monitor temperature and humidity when external environmental probe is attached to the PDU, set and automatically monitor high and low alarm thresholds for power, temperature and humidity
  - Log data and events and receive alarm notifications by email
- IP Consolidation (PDU Linking):
  - Use the PDU In/Out connections to link up to 20 PDUs together using standard RJ45 Cat 5/6 patch cords
  - View all connected PDUs through a single network connection and IP address
- Monitored Outlets:
  - Remotely monitor voltage, current, and power (kW) and energy (kWh) at each outlet
  - Name outlets to easily identify attached equipment
  - Create outlet groups to see combined power use

P4-1M0G3
(30) C13
(6) C19

P4-1H0A1
(24) C13

P4-1C0A5
(24) 5-20R

Monitored Pro eConnect PDUs include all the features available on Monitored and Basic PDUs — local and remote total power usage monitoring, a low profile chassis, ambient temperature rating of 149°F (65°C) and multiple outlet combinations in same PDU.

MONITORED PRO eCONNECT PDU

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW*	Plug	Breakers	Outlets	H	W	D
110-125 Volt, Single-Phase PDUs								
P4-1A1A5	20	1.9	IEC C20**	1 x 20A	(24) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P4-1C0A5	20	1.9	NEMA L5-20P	1 x 20A	(24) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P4-1D0A5	30	2.9	NEMA L5-30P	2 x 20A	(24) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
110-125 or 200-240 Volt, Single-Phase PDUs								
P4-1A1A1	20	1.9 or 3.3	IEC C20**	1 x 20A	(24) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P4-1A1C3	20	1.9 or 3.3	IEC C20**	1 x 20A	(18) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
200-240 Volt, Single-Phase PDUs								
P4-1E0A1	20	3.3	NEMA L6-20P	1 x 20A	(24) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P4-1E0C3	20	3.3	NEMA L6-20P	1 x 20A	(18) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P4-1F0A1	30	5.0	NEMA L6-30P	2 x 20A	(24) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P4-1F0B1	30	5.0	NEMA L6-30P	2 x 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P4-1F0C3	30	5.0	NEMA L6-30P	2 x 20A	(18) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P4-1F0G3	30	5.0	NEMA L6-30P	2 x 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P4-1G0A1	16	2.7	IEC 16A 2P+E	1 x 16A	24 (C13)	70.5 (1791)	2.2 (56)	2.2 (56)
P4-1G0C3	16	2.7	IEC 16A 2P+E	1 x 16A	(18) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P4-1H0A1	32	5.3	IEC 32A 2P+E	2 x 16A	(24) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P4-1H0B1	32	5.3	IEC 32A 2P+E	2 x 16A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P4-1H0C3	32	5.3	IEC 32A 2P+E	2 x 16A	(18) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P4-1H0G3	32	5.3	IEC 32A 2P+E	2 x 16A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
208 Volt, Three-Phase PDUs								
P4-1L0B1	20	5.8	NEMA L15-20P	3 x 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P4-1L0G3	20	5.8	NEMA L15-20P	3 x 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P4-1N0A5	20	5.8	NEMA L21-20P	3 x 20A	(24) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P4-1N0B1	20	5.8	NEMA L21-20P	3 x 20A	36 (C13)	70.5 (1791)	2.2 (56)	2.2 (56)
P4-1N0G3	20	5.8	NEMA L21-20P	3 x 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P4-1M0B1	30	8.6	NEMA L15-30P	3 x 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P4-1M0F3	30	8.6	NEMA L15-30P	3 x 20A	(24) C13, (12) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P4-1M0G3	30	8.6	NEMA L15-30P	3 x 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P4-1P0A5	30	8.6	NEMA L21-30P	3 x 20A	(24) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P4-1P0B1	30	8.6	NEMA L21-30P	3 x 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P4-1P0F3	30	8.6	NEMA L21-30P	3 x 20A	(24) C13, (12) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P4-1P0G3	30	8.6	NEMA L21-30P	3 x 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P4-1T0B1	50	12.6	50A CS8365C	3 x 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P4-1T0F3	50	12.6	50A CS8365C	3 x 20A	(24) C13, (12) C19	70.5 (1791)	2.2 (56)	2.2 (56)

Table continues on next page.

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW*	Plug	Breakers	Outlets	H	W	D
380-415 Volt, Three-Phase PDUs								
P4-1Q0B1	20	11.1	L22-20P	3 x 20A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P4-1Q0G3	20	11.1	L22-20P	3 x 20A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P4-1W0B1	16	8.9	IEC 16A 4P+E	3 x 16A	(36) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P4-1W0G3	16	8.9	IEC 16A 4P+E	3 x 16A	(30) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)

Ordering Notes: Order mounting brackets separately. On Single-Phase PDUs, output voltage equals input voltage. On Split- and Three-Phase PDUs, 208 VAC output through C13 and C19 outlets; 120 VAC output through NEMA 5-20R outlets.
* For kW column, all values are derated calculations per UL for use in North America. For 50A PDUs, the 50A CS8365C plug is rated for 50A, but maximum input is 35A (12.6 kw) on three breaker PDUs.
** Order power cord separately for PDU with C20 input, see page 7-30.

Dimensional Drawing:

2.185 (55)

34.374 (873.10)

70.500 (1790.70)
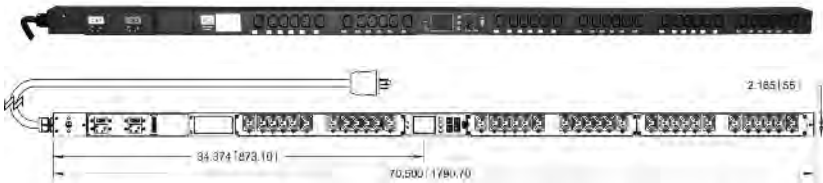
(P4-1F0B1 shown)

Individually Number Outlets

Outlet Set-Up - Ability to set alrams for upper and lower current thresholds for each outlet

Switched eConnect PDU

Switched eConnect PDUs are the ideal blend of design, overall power monitoring and individual switching capabilities. Choose a Switched eConnect PDU when you need to remotely control power use and resolve issues with frozen equipment by cycling the power on individual outlets. Equipped with linking capabilities for up to 20 PDUs, power can also be toggled on systems with redundancies by grouping outlets together from different PDUs.

- Turn off outlets that are not in use so that no unplanned additional load can be added to the PDU
- Outlets are numbered for easy identification
- LED next to each outlet indicates on or off status
- Control each outlet on the PDU remotely, which allows you to turn individual outlets off, on or cycle power to the outlet and attached equipment
- Set power cycle delays to prevent power problems or allow a sequenced "power-on" process
- Name outlets to more easily associate outlets with equipment
- Cycle power to groups of outlets to turn power off for several pieces of equipment at once
- Link outlets from several linked PDUs and cycle as if one outlet, allowing one button remote power cycling for redundantly powered equipment

Specifications:

- Network/External Connections:
  - (1) 10/100 Mbps RJ-45 Ethernet connection (IPv4 and IPv6)
  - (1) RJ11 Environmental Probe connection
  - (1) RJ45 Serial/PDU In linking connection (RS-232)
  - (1) RJ45 PDU Out linking connection
  - (1) USB port for firmware updates
- Internal Metering:
  - Monitors unit voltage, current, power (kW), power factor and energy (kWh) at each breaker; ±1% metering accuracy
- Local Display:
  - Liquid Crystal Display (LCD) for easy viewing; allows initial setup of IP and subnet addresses without computer
  - Displays unit voltage, current, power and power factor for attached equipment load; separate LED flashes red on alarm
- Network Monitoring:
  - Monitor total voltage, current, power, power factor and energy through the Ethernet using a web browser (HTTP and HTTPS), SSH2 or Telnet, or an application that accepts alarms as SNMP v1, v2c or v3 traps
  - Monitor temperature and humidity when external environmental probe is attached to the PDU, set and automatically monitor high and low alarm thresholds for power, temperature and humidity
  - Log data and events and receive alarm notifications by email
- IP Consolidation (PDU Linking):
  - Use the PDU In/Out connections to link up to 20 PDUs together using standard RJ45 Cat 5/6 patch cords
  - View all connected PDUs through a single network connection and IP address
- Switched Outlets:
  - Turn outlets on and off and remotely cycle power to equipment
  - Set initial power on and cycle delays to power multiple outlets on at user defined intervals
  - Link a group of outlets together to toggle power to multiple outlets using a single click

P5-1T0C3
(18) C13
(6) C19

P5-1H0A1
(24) C13

P5-1A1A5
(24) 5-20R

Switched eConnect PDUs include all the features available on Monitored and Basic PDUs, including local and remote total power usage monitoring, a low profile chassis, ambient temperature rating of 149°F (65°C) and multiple outlet combinations in the same PDU.

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW*	Plug	Breakers	Outlets	H	W	D
110-125 Volt, Single-Phase PDUs								
P5-1A1A5	20	1.9	IEC C20**	1 x 20A	(24) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P5-1C0A5	20	1.9	NEMA L5-20P	1 x 20A	(24) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P5-1D0A5	30	2.9	NEMA L5-30P	2 x 20A	(24) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
110-125 or 200-240 Volt, Single-Phase PDUs								
P5-1A1A1	20	1.9 or 3.3	IEC C20**	1 x 20A	(24) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P5-1A1C3	20	1.9 or 3.3	IEC C20**	1 x 20A	(18) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
200-240 Volt, Single-Phase PDUs								
P5-1E0A1	20	3.3	NEMA L6-20P	1 x 20A	(24) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P5-1E0C3	20	3.3	NEMA L6-20P	1 x 20A	(18) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P5-1F0A1	30	5.0	NEMA L6-30P	2 x 20A	(24) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P5-1F0C3	30	5.0	NEMA L6-30P	2 x 20A	(18) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P5-1G0A1	16	2.7	IEC 16A 2P+E	1 x 16A	(24) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P5-1G0C3	16	2.7	IEC 16A 2P+E	1 x 16A	(18) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P5-1H0A1	32	5.3	IEC 32A 2P+E	2 x 16A	(24) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P5-1H0C3	32	5.3	IEC 32A 2P+E	2 x 16A	(18) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
208 Volt, Three-Phase PDUs								
P5-1L0A1	20	5.8	NEMA L15-20P	3 x 20A	(24) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P5-1L0C3	20	5.8	NEMA L15-20P	3 x 20A	(18) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P5-1N0A1	20	5.8	NEMA L21-20P	3 x 20A	(24) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P5-1N0A5	20	5.8	NEMA L21-20P	3 x 20A	(24) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P5-1N0C3	20	5.8	NEMA L21-20P	3 x 20A	(18) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P5-1M0A1	30	8.6	NEMA L15-30P	3 x 20A	(24) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P5-1M0C3	30	8.6	NEMA L15-30P	3 x 20A	(18) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P5-1P0A1	30	8.6	NEMA L21-30P	3 x 20A	(24) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P5-1P0A5	30	8.6	NEMA L21-30P	3 x 20A	(24) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P5-1P0C3	30	8.6	NEMA L21-30P	3 x 20A	(18) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P5-1T0A1	50	12.6	50A CS8365C	3 x 20A	(24) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P5-1T0C3	50	12.6	50A CS8365C	3 x 20A	(18) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
380-415 Volt, Three-Phase PDUs								
P5-1Q0A1	20	11.1	L22-20P	3 x 20A	(24) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P5-1Q0C3	20	11.1	L22-20P	3 x 20A	(18) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P5-1W0A1	16	8.9	IEC 16A 4P+E	3 x 16A	(24) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P5-1W0C3	16	8.9	IEC 16A 4P+E	3 x 16A	(18) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)

Ordering Notes: Order mounting brackets separately. On Single-Phase PDUs, output voltage equals input voltage. On Split- and Three-Phase PDUs, 208 VAC output through C13 and C19 outlets; 120 VAC output through NEMA 5-20R outlets.
* For kW column, all values are derated calculations per UL for use in North America. For 50A PDUs, the 50A CS8365C plug is rated for 50A, but maximum input is 35A (12.6 kw) on three breaker PDUs.
** Order power cord separately for PDU with C20 input, see page 7-30.

Switched Pro eConnect PDU

Designed to virtually place you inside an equipment cabinet, the Switched Pro eConnect PDU offers remote power monitoring and switching for each individual outlet, environmental monitoring capabilities, and tailored alarm thresholds. Whether your goal is energy efficiency, load balancing, capacity planning, branch circuit monitoring or to simply reduce energy costs, Switched Pro eConnect PDUs are the ideal way to measure and manage your data center's success.

- Continuous voltage, current, power and enegy monitoring for each outlet on the unit that can be remotely monitored using a web browser
- Control each outlet on the PDU remotely, allowing you to turn individual outlets off, on or cycle power to the outlet and attached equipment
- Includes an external connection for two temperature and humidity sensors for monitoring environmental conditions in your cabinet
- Access the PDU remotely using a web browser for detailed measurements and power totals and to set upper and lower threshold alarms for power, temperature and humidity
- PDU linking feature allows you to connect up to 20 PDUs together and access all of the PDUs using a single IP connection and one IP address
- Forward email alarm notifications and log data and events to keep a record of power use and alarms
- Alternately, monitor the PDU using a third-party software that accepts SNMP traps or through a direct serial connection

Specifications:

- Network/External Connections:
  - (1) 10/100 Mbps RJ-45 Ethernet connection (IPv4 and IPv6)
  - (1) RJ11 Environmental Probe connection
  - (1) RJ45 Serial/PDU In linking connection (RS-232)
  - (1) RJ45 PDU Out linking connection
  - (1) USB port for firmware updates
- Internal Metering:
  - Monitors unit voltage, current, power (kW), power factor and energy (kWh) at each breaker; ±1% metering accuracy
- Local Display:
  - Liquid Crystal Display (LCD) for easy viewing; allows initial setup of IP and subnet addresses without computer. Displays unit voltage, current, power and power factor for attached equipment load; separate LED flashes red on alarm
- Network Monitoring:
  - Monitor total voltage, current, power, power factor and energy through the Ethernet using a web browser (HTTP and HTTPS), SSH2 or Telnet, or an application that accepts alarms as SNMP v1, v2c or v3 traps
  - Monitor temperature and humidity when external environmental probe is attached to the PDU, set and automatically monitor high and low alarm thresholds for power, temperature and humidity.
- IP Consolidation (PDU Linking):
  - Use the PDU In/Out connections to link up to 20 PDUs together using standard RJ45 Cat 5/6 patch cords
  - View all connected PDUs through a single network connection and IP address
- Switched/Monitored Outlets:
  - Turn outlets on and off and remotely cycle power to equipment
  - Set initial power on and cycle delays to power multiple outlets on at user defined intervals. Link a group of outlets together to toggle power to multiple outlets using a single click
    - Remotely monitored voltage, current and power at each outlet and total current for each group of outlets

P6-1T0C3
(18) C13
(6) C19

P6-1H0A1
(24) C13

P6-1A1A5
(24) 5-20R

Switched Pro eConnect PDUs are the only PDUs to include all the features available across the eConnect family — including total and per outlet power monitoring and control, a low profile chassis, ambient temperature rating of 149°F (65°C) and multiple outlet.

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW*	Plug	Breakers	Outlets	H	W	D
110-125 Volt, Single-Phase PDUs								
P6-1A1A5	20	1.9	IEC C20**	1 x 20A	(24) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P6-1C0A5	20	1.9	NEMA L5-20P	1 x 20A	(24) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P6-1D0A5	30	2.9	NEMA L5-30P	2 x 20A	(24) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
110-125 or 200-240 Volt, Single-Phase PDUs								
P6-1A1A1	20	1.9 or 3.3	IEC C20**	1 x 20A	(24) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P6-1A1C3	20	1.9 or 3.3	IEC C20**	1 x 20A	(18) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
200-240 Volt, Single-Phase PDUs								
P6-1E0A1	20	3.3	NEMA L6-20P	1 x 20A	(24) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P6-1E0C3	20	3.3	NEMA L6-20P	1 x 20A	(18) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P6-1F0A1	30	5.0	NEMA L6-30P	2 x 20A	(24) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P6-1F0C3	30	5.0	NEMA L6-30P	2 x 20A	(18) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P6-1G0A1	16	2.7	IEC 16A 2P+E	1 x 16A	(24) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P6-1G0C3	16	2.7	IEC 16A 2P+E	1 x 16A	(18) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P6-1H0A1	32	5.3	IEC 32A 2P+E	2 x 16A	(24) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P6-1H0C3	32	5.3	IEC 32A 2P+E	2 x 16A	(18) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
208 Volt, Three-Phase PDUs								
P6-1L0A1	20	5.8	NEMA L15-20P	3 x 20A	(24) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P6-1L0C3	20	5.8	NEMA L15-20P	3 x 20A	(18) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P6-1N0A1	20	5.8	NEMA L21-20P	3 x 20A	(24) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P6-1N0A5	20	5.8	NEMA L21-20P	3 x 20A	(24) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P6-1N0C3	20	5.8	NEMA L21-20P	3 x 20A	(18) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P6-1M0A1	30	8.6	NEMA L15-30P	3 x 20A	(24) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P6-1M0C3	30	8.6	NEMA L15-30P	3 x 20A	(18) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P6-1P0A1	30	8.6	NEMA L21-30P	3 x 20A	(24) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P6-1P0A5	30	8.6	NEMA L21-30P	3 x 20A	(24) 5-20R	70.5 (1791)	2.2 (56)	2.2 (56)
P6-1P0C3	30	8.6	NEMA L21-30P	3 x 20A	(18) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P6-1T0A1	50	12.6	50A CS8365C	3 x 20A	(24) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P6-1T0C3	50	12.6	50A CS8365C	3 x 20A	(18) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
380-415 Volt, Three-Phase PDUs								
P6-1Q0A1	20	11.1	L22-20P	3 x 20A	(24) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P6-1Q0C3	20	11.1	L22-20P	3 x 20A	(18) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)
P6-1W0A1	16	8.9	IEC 16A 4P+E	3 x 16A	(24) C13	70.5 (1791)	2.2 (56)	2.2 (56)
P6-1W0C3	16	8.9	IEC 16A 4P+E	3 x 16A	(18) C13, (6) C19	70.5 (1791)	2.2 (56)	2.2 (56)

Ordering Notes: Order mounting brackets separately. On Single-Phase PDUs, output voltage equals input voltage. On Split- and Three-Phase PDUs, 208 VAC output through C13 and C19 outlets; 120 VAC output through NEMA 5-20R outlets.

* For kW column, all values are derated calculations per UL for use in North America. For 50A PDUs, the 50A CS8365C plug is rated for 50A, but maximum input is 35A (12.6 kw) on three breaker PDUs.

** Order power cord separately for PDU with C20 input, see page 7-30.

Power Distribution Units (PDUs) - Vertical Mount

- Four feature levels: Basic, Metered, Monitored, Controlled
- Tool-less mounting on CPI cabinets
- Optional circuit breakers and ammeter with local display for branch monitoring
- Optional network connection with remote monitoring and power cycling
- Single-input models for 110-250 VAC circuits rated up to 60 Amperes
- Single-phase and three-phase plugs
- NEMA-NEMA, NEMA-IEC and IEC-IEC plug-to-receptacle combinations

Basic, Vertical PDUs

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW	Plug	Breakers	Outlets	H	W	D
110-125 Volt, Single-Phase PDUs								
35643-1A2	30	2.9	NEMA L5-30P	2 x 20A	(24) C13, (6) C19	68.5 (1740)	2.0 (51)	3.5 (89)
200-240 Volt, Single-Phase PDUs								
35622-1A1	20	3.3	NEMA 6-20P	No	(24) C13	68.5 (1740)	2.0 (51)	3.5 (89)
35623-1A1	20	3.3	NEMA L6-30P	2 x 20A	(24) 6-20R	68.5 (1740)	2.0 (51)	3.5 (89)
208 Volt, Three-Phase PDUs								
35632-1A2	20	5.8	NEMA L21-20P	No	(24) 6-20R	68.5 (1740)	2.0 (51)	3.5 (89)
35633-1B2	30	8.6	NEMA L21-30P	3 x 20A	(24) 6-20R	68.5 (1740)	2.0 (51)	3.5 (89)
35815-1G3	60	12.6	IEC 60A 3P+E	3 x 20A	(42) C13	68.5 (1740)	2.0 (51)	3.5 (89)
35815-1G2	60	12.6	IEC 60A 3P+E	3 x 20A	(15) C13, (9) C19	68.5 (1740)	2.0 (51)	3.5 (89)
35616-1A1	60	17.3	IEC 60A 3P+E	6 x 20A	(12) C19	68.5 (1740)	2.0 (51)	3.5 (89)

Note: Order mounting brackets seperately, see page 7-30. For kW column, all values are derated calculations per UL for use in North America. For 60A PDUs, the IEC 60A plug is rated for 60A, but maximum input is 35A (12.6 kw) on three breaker PDUs.

Metered, Vertical PDUs

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW	Plug	Breakers	Outlets	H	W	D
110-125 Volt, Single-Phase PDUs								
35643-2A1	30	2.9	NEMA L5-30P	2 x 20A	(24) 5-20R	68.5 (1740)	2.0 (51)	3.5 (89)
35643-2A2	30	2.9	NEMA L5-30P	2 x 20A	(24) C13, (6) C19	68.5 (1740)	2.0 (51)	3.5 (89)
200-240 Volt, Single-Phase PDUs								
35623-2A1	20	3.3	NEMA L6-30P	2 x 20A	(24) 6-20R	68.5 (1740)	2.0 (51)	3.5 (89)
35822-2C1	30	5.0	NEMA L6-30P	2 x 15A	(24) C13	68.5 (1740)	2.0 (51)	3.5 (89)
35623-2A2	30	5.0	NEMA L6-30P	2 x 20A	(24) C13, (6) C19	68.5 (1740)	2.0 (51)	3.5 (89)
208 Volt, Three-Phase PDUs								
35632-2A1	20	5.8	NEMA L21-20P	No	(24) 5-20R	68.5 (1740)	2.0 (51)	3.5 (89)
35632-2A2	20	5.8	NEMA L21-20P	No	(24) 6-20R	68.5 (1740)	2.0 (51)	3.5 (89)
35632-2A7	20	5.8	NEMA L21-20P	No	(24) 5-20R, (6) L6-20	68.5 (1740)	2.0 (51)	3.5 (89)
35633-2C4	30	8.6	NEMA L15-30P	3 x 20A	(24) C13, (6) C19	68.5 (1740)	2.0 (51)	3.5 (89)
25633-2A1	30	8.6	NEMA L21-30P	3 x 20A	(24) 5-20R	68.5 (1740)	2.0 (51)	3.5 (89)
35633-2B2	30	8.6	NEMA L21-30P	3 x 20A	(24) 6-20R	68.5 (1740)	2.0 (51)	3.5 (89)
35815-2G1	60	12.6	IEC 60A 3P+E	3 x 20A	(24) C13	68.5 (1740)	2.0 (51)	3.5 (89)

Note: Order mounting brackets seperately, see page 7-30. For kW column, all values are derated calculations per UL for use in North America. For 60A PDUs, the IEC 60A plug is rated for 60A, but maximum input is 35A (12.6 kw) on three breaker PDUs.

Monitored, Vertical PDUs

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW	Plug	Breakers	Outlets	H	W	D
200-240 Volt, Single-Phase PDUs								
35821-3B3	20	3.3	NEMA L6-20P	1 x 20A	(24) C13, (4) C19	68.5 (1740)	2.0 (51)	3.5 (89)
35822-3C3	30	5.0	NEMA L6-30P	2 x 20A	(24) C13, (4) C19	68.5 (1740)	2.0 (51)	3.5 (89)
35821-3A3	16	2.7	IEC 16A 2P+E	1 x 16A	(24) C13, (4) C19	68.5 (1740)	2.0 (51)	3.5 (89)
35823-3G3	32	5.3	IEC 32A 2P+E	2 x 16A	(24) C13, (4) C19	68.5 (1740)	2.0 (51)	3.5 (89)
208 Volt, Three-Phase PDUs								
35632-3A2	20	5.8	NEMA L21-20P	No	(24) 6-20R	68.5 (1740)	2.0 (51)	3.5 (89)
35633-3B2	30	8.6	NEMA L21-30P	3 x 20A	(24) 6-20R	68.5 (1740)	2.0 (51)	3.5 (89)
35815-3G2	60	12.6	IEC 60A 3P+E	3 x 20A	(15) C13, (9) C19	68.5 (1740)	2.0 (51)	3.5 (89)
35616-3A1	60	17.3	IEC 60A 3P+E	6 x 20A	(12) C19	68.5 (1740)	2.0 (51)	3.5 (89)

Note: Order mounting brackets seperately, see page 7-30. For kW column, all values are derated calculations per UL for use in North America. For 60A PDUs, the IEC 60A plug is rated for 60A, but maximum input is 35A (12.6 kw) on three breaker PDUs.

Power Distribution Units (PDUs) - Horizontal, Rack-Mount

Basic, Horizontal Rack-Mount PDUs

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW	Plug	Breakers	Outlets	H	W	D
110-125 Volt, Single-Phase PDUs								
35692-111	20	1.9	NEMA 5-20P	No	(4) C13, (4) C19	1U	19"EIA	1.9 (48)
35692-121	20	1.9	NEMA L5-20P	No	(4) C13, (4) C19	1U	19"EIA	1.9 (48)
35693-112	30	2.9	NEMA L5-30P	2 x 20A	(12) 5-20R	1U	19"EIA	6.5 (165)
35693-113	30	2.9	NEMA L5-30P	2 x 20A	(20) 5-20R	2U	19"EIA	6.0 (152)
35693-111	30	2.9	NEMA L5-30P	2 x 20A	(12) C13	1U	19"EIA	6.5 (165)
110-125 or 200-240 Volt, Single-Phase PDUs								
35662-112	16	2.7	IEC C20*	No	(10) C13	1U	19"EIA	1.6 (41)
35662-111	16	2.7	IEC C20*	No	(16) C13	1U	19"EIA	4.5 (114)
200-240 Volt, Single-Phase PDUs								
13653-701	20	3.3	NEMA 6-20P	1 x 20A	(12) 6-20R	1U	19"EIA	6.5 (165)
35682-111	20	3.3	NEMA 6-20P	No	(4) C13, (4) C19	1U	19"EIA	1.9 (48)
13653-702	20	3.3	NEMA L6-20P	1 x 20A	(12) 6-20R	1U	19"EIA	6.5 (165)
35682-121	20	3.3	NEMA L6-20P	No	(4) C13, (4) C19	1U	19"EIA	1.9 (48)
35683-111	30	5.0	NEMA L6-30P	2 x 20A	(12) C13	1U	19"EIA	6.5 (165)
35663-111	32	5.3	IEC 32A 2P+E	2 x 16A	(12) C13	1U	19"EIA	6.5 (165)
208 Volt, Three-Phase PDUs								
35676-111	60	17.3	IEC 60A 3P+E	6 x 20A	(12) C19	2U	19"EIA	9.0 (230)

Note: Includes mounting brackets for 19"EIA rack/cabinet. Order power cord for models with C20 Input separately. see page 7-30. For kW column, all values are derated calculations per UL for use in North America. For 60A PDUs, the IEC 60A plug is rated for 60A, but maximum input is 35A (12.6 kw) on three breaker PDUs.

POWER DISTRIBUTION UNITS (PDUs) — HORIZONTAL, RACK-MOUNT

Metered, Horizontal Rack-Mount PDUs

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW	Plug	Breakers	Outlets	H	W	D
110-125 Volt, Single-Phase PDUs								
35692-211	20	1.9	NEMA 5-20P	No	(4) C13, (4) C19	1U	19"EIA	1.9 (48)
35692-221	20	1.9	NEMA L5-20P	No	(4) C13, (4) C19	1U	19"EIA	1.9 (48)
35693-212	30	2.9	NEMA L5-30P	2 x 20A	(12) 5-20R	1U	19"EIA	6.5 (165)
35693-213	30	2.9	NEMA L5-30P	2 x 20A	(20) 5-20R	2U	19"EIA	6.0 (152)
35693-211	30	2.9	NEMA L5-30P	2 x 20A	(12) C13	1U	19"EIA	6.5 (165)
110-125 or 200-240 Volt, Single-Phase PDUs								
35662-212	16	2.7	IEC C20*	No	(10) C13	1U	19"EIA	1.6 (41)
35662-211	16	2.7	IEC C20*	No	(16) C13	1U	19"EIA	4.5 (114)
200-240 Volt, Single-Phase PDUs								
13653-751	20	3.3	NEMA 6-20P	1 x 20A	(12) 6-20R	1U	19"EIA	6.5 (165)
35682-211	20	3.3	NEMA 6-20P	No	(4) C13, (4) C19	1U	19"EIA	1.9 (48)
13653-752	20	3.3	NEMA L6-20P	1 x 20A	(12) 6-20R	1U	19"EIA	6.5 (165)
35682-221	20	3.3	NEMA L6-20P	No	(4) C13, (4) C19	1U	19"EIA	1.9 (48)
35683-211	30	5.0	NEMA L6-30P	2 x 20A	(12) C13	1U	19"EIA	6.5 (165)
35882-2A2	30	5.0	NEMA L6-30P	2 x 15A	(24) C13	2U	19"EIA	8.0 (203)
35663-211	32	5.3	IEC 32A 2P+E	2 x 16A	(12) C13	1U	19"EIA	6.5 (165)

Note: Includes mounting brackets for 19"EIA rack/cabinet. Order power cord for models with C20 Input separately. see page 7-30.

Monitored, Horizontal Rack-Mount PDUs

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW	Plug	Breakers	Outlet	H	W	D
200-240 Volt, Single-Phase PDUs								
35882-3A1	30	5.0	NEMA L6-30P	2 x 15A	(24) L6-15R	2U	19"EIA	8.0 (203)
35882-3A2	30	5.0	NEMA L6-30P	2 x 15A	(24) C13	2U	19"EIA	8.0 (203)
208 Volt, Three-Phase PDUs								
35676-311	60	17.3	IEC 60A 3P+E	6 x 20A	(12) C19	2U	19"EIA	9.0 (230)

Note: Includes mounting brackets for 19"EIA rack/cabinet. For kW column, all values are derated calculations per UL for use in North America. For 60A PDUs, the IEC 60A plug is rated for 60A, but maximum input is 35A (12.6 kw) on three breaker PDUs.

Controlled, Horizontal Rack-Mount PDUs

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW	Plug	Breakers	Outlet	H	W	D
200-240 Volt, Single-Phase PDUs								
35882-5A2	30	5.0	NEMA L6-30P	2 x 15A	(24) C13	1U	19"EIA	28 (711)
35883-5B2	32	5.3	IEC 32A 2P+E	2 x 16A	(24) C13	1U	19"EIA	28 (711)

Note: Includes mounting brackets for 19"EIA 4-post rack or cabinet. Requires front and rear support.

PowerWedge, Controlled PDU
19" EIA, 4-Post Rack-Mounted
35882-5A2

Power Strips

Power Strips distribute single-phase power to multiple pieces of equipment from a single power connection.
• NEMA style outlets and plugs
• Includes a thermal circuit breakers to protect circuits from overload
• Available with surge-protection to protect equipment from power spikes and local current meters to provide easy current monitoring

Basic Power Strips, Vertical Mount

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW	Plug	Breakers	Outlets	H	W	D
110-125 Volt, Single-Phase Power Strip								
12850-701	15	1.4	NEMA 5-15P	1 x 15A	(14) 5-15R	33.0 (838)	1.7 (43)	1.7 (43)
12848-701	15	1.4	NEMA 5-15P	1 x 15A	(24) 5-15R	66.0 (1676)	1.7 (43)	1.7 (43)
12850-703	15	1.4	NEMA L5-15P	1 x 15A	(14) 5-15R	33.0 (838)	1.7 (43)	1.7 (43)
12848-703	15	1.4	NEMA L5-15P	1 x 15A	(24) 5-15R	66.0 (1676)	1.7 (43)	1.7 (43)
12850-705	20	1.9	NEMA 5-20P	1 x 20A	(14) 5-20R	33.0 (838)	1.7 (43)	1.7 (43)
12848-705	20	1.9	NEMA 5-20P	1 x 20A	(24) 5-20R	66.0 (1676)	1.7 (43)	1.7 (43)
12850-707	20	1.9	NEMA L5-20P	1 x 20A	(14) 5-20R	33.0 (838)	1.7 (43)	1.7 (43)
12848-707	20	1.9	NEMA L5-20P	1 x 20A	(24) 5-20R	66.0 (1676)	1.7 (43)	1.7 (43)
110-125 Volt, Single-Phase Power Strip, Surge-Protected								
12850-702	15	1.4	NEMA 5-15P	1 x 15A	(14) 5-15R	33.0 (838)	1.7 (43)	1.7 (43)
12848-702	15	1.4	NEMA 5-15P	1 x 15A	(24) 5-15R	66.0 (1676)	1.7 (43)	1.7 (43)
12850-704	15	1.4	NEMA L5-15P	1 x 15A	(14) 5-15R	33.0 (838)	1.7 (43)	1.7 (43)
12848-704	15	1.4	NEMA L5-15P	1 x 15A	(24) 5-15R	66.0 (1676)	1.7 (43)	1.7 (43)
12850-706	20	1.9	NEMA 5-20P	1 x 20A	(14) 5-20R	33.0 (838)	1.7 (43)	1.7 (43)
12848-706	20	1.9	NEMA 5-20P	1 x 20A	(24) 5-20R	66.0 (1676)	1.7 (43)	1.7 (43)
12850-708	20	1.9	NEMA L5-20P	1 x 20A	(14) 5-20R	33.0 (838)	1.7 (43)	1.7 (43)
12848-708	20	1.9	NEMA L5-20P	1 x 20A	(24) 5-20R	66.0 (1676)	1.7 (43)	1.7 (43)

Notes: Includes rack mounting brackets and tool-less hardware. All power strips have IEC C20 inlets and include a power cord. Cords with locking plugs are 10'L (3 m). Cords with straight plugs are 8'2"L (2.4 m). Order mounting brackets for cabinets separately.

Metered Power Strips, Vertical Mount

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW	Plug	Breakers	Outlets	H	W	D
110-125 Volt, Single-Phase Power Strip								
12848-751	15	1.4	NEMA 5-15P	1 x 15A	(24) 5-15R	66.0 (1676)	1.7 (43)	1.7 (43)
12848-755	20	1.9	NEMA 5-20P	1 x 20A	(24) 5-20R	66.0 (1676)	1.7 (43)	1.7 (43)
12848-757	20	1.9	NEMA L5-20P	1 x 20A	(24) 5-20R	66.0 (1676)	1.7 (43)	1.7 (43)
110-125 Volt, Single-Phase Power Strip, Surge-Protected								
12848-752	15	1.4	NEMA 5-15P	1 x 15A	(24) 5-15R	66.0 (1676)	1.7 (43)	1.7 (43)
12848-754	15	1.4	NEMA L5-15P	1 x 15A	(24) 5-15R	66.0 (1676)	1.7 (43)	1.7 (43)
12848-756	20	1.9	NEMA 5-20P	1 x 20A	(24) 5-20R	66.0 (1676)	1.7 (43)	1.7 (43)
12848-758	20	1.9	NEMA L5-20P	1 x 20A	(24) 5-20R	66.0 (1676)	1.7 (43)	1.7 (43)

Notes: Includes rack mounting brackets and tool-less hardware. All power strips have IEC C20 inlets and include a power cord. Cords with locking plugs are 10'L (3 m). Cords with straight plugs are 8'2"L (2.4 m). Order mounting brackets for cabinets separately.

POWER STRIPS – HORIZONTAL, RACK-MOUNT

Basic Power Strips, Horizontal Rack-Mount

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW	Plug	Breakers	Outlets	H	W	D
110-125 Volt, Single-Phase Power Strip								
12816-701	15	1.4	NEMA 5-15P	1 x 15A	(8) 5-15R	1U	19"EIA/23"	1.4 (36)
12816-702	15	1.4	NEMA L5-15P	1 x 15A	(8) 5-15R	1U	19"EIA/23"	1.4 (36)
12816-705	20	1.9	NEMA 5-20P	1 x 20A	(8) 5-20R	1U	19"EIA/23"	1.4 (36)
12816-706	20	1.9	NEMA L5-20P	1 x 20A	(8) 5-20R	1U	19"EIA/23"	1.4 (36)
110-125 Volt, Single-Phase Power Strip, Surge-Protected								
12816-703	15	1.4	NEMA 5-15P	1 x 15A	(6) 5-15R	1U	19"EIA/23"	1.4 (36)
12816-704	15	1.4	NEMA L5-15P	1 x 15A	(6) 5-15R	1U	19"EIA/23"	1.4 (36)
12816-707	20	1.9	NEMA 5-20P	1 x 20A	(6) 5-20R	1U	19"EIA/23"	1.4 (36)
12816-708	20	1.9	NEMA L5-20P	1 x 20A	(6) 5-20R	1U	19"EIA/23"	1.4 (36)

Notes: Includes 19"EIA and 23"W horizontal rack-mount brackets. All power strips have IEC C20 inlets and include a power cord. Cords with locking plugs are 10'L (3 m). Cords with straight plugs are 8'2"L (2.4 m).

Metered Power Strips, Horizontal Rack-Mount

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW	Plug	Breakers	Outlets	H	W	D
110-125 Volt, Single-Phase Power Strip								
13239-751	15	1.4	NEMA 5-15P	1 x 15A	(12) 5-15R	1U	19"EIA	4.6 (117)
13239-755	20	1.9	NEMA 5-20P	1 x 20A	(12) 5-20R	1U	19"EIA	4.6 (117)
13239-756	20	1.9	NEMA L5-20P	1 x 20A	(12) 5-20R	1U	19"EIA	4.6 (117)
110-125 Volt, Single-Phase Power Strip, Surge-Protected								
13239-753	15	1.4	NEMA 5-15P	1 x 15A	(12) 5-15R	1U	19"EIA	4.6 (117)
13239-757	20	1.9	NEMA 5-20P	1 x 20A	(12) 5-20R	1U	19"EIA	4.6 (117)
13239-758	20	1.9	NEMA L5-20P	1 x 20A	(12) 5-20R	1U	19"EIA	4.6 (117)

Notes: Includes 19"EIA horizontal rack-mount brackets only. All power strips have IEC C20 inlets and include a power cord. Cords with locking plugs are 10'L (3 m). Cords with straight plugs are 8'2"L (2.4 m).

Basic Power Strips, for CUBE-iT PLUS® Cabinet System

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW	Plug	Breakers	Outlets	H	W	D
110-125 Volt, Single-Phase Power Strip								
12820-701	15	1.4	NEMA 5-15P	1 x 15A	(8) 5-15R	19.2 (488)	1.8 (44)	8.2 (208)
12820-702	15	1.4	NEMA L5-15P	1 x 15A	(8) 5-15R	19.2 (488)	1.8 (44)	8.2 (208)
12820-705	20	1.9	NEMA 5-20P	1 x 20A	(8) 5-20R	19.2 (488)	1.8 (44)	8.2 (208)
12820-706	20	1.9	NEMA L5-20P	1 x 20A	(8) 5-20R	19.2 (488)	1.8 (44)	8.2 (208)
110-125 Volt, Single-Phase Power Strip, Surge-Protected								
12820-703	15	1.4	NEMA 5-15P	1 x 15A	(6) 5-15R	19.2 (488)	1.8 (44)	8.2 (208)
12820-704	15	1.4	NEMA L5-15P	1 x 15A	(6) 5-15R	19.2 (488)	1.8 (44)	8.2 (208)
12820-707	20	1.9	NEMA 5-20P	1 x 20A	(6) 5-15R	19.2 (488)	1.8 (44)	8.2 (208)
12820-708	20	1.9	NEMA L5-20P	1 x 20A	(6) 5-15R	19.2 (488)	1.8 (44)	8.2 (208)

Notes: Dimensions include mounting bracket in vertical orientation. The Power Strip is 17"H (432 mm) by 1.7"W (43 mm) by 1.4"D (36 mm). All power strips have IEC C20 inlets and include a power cord. Cords with locking plugs are 10'L (3 m). Cords with straight plugs are 8'2"L (2.4 m).

International Power Strips

CPI International Power Strips provide basic power distribution into racks and cabinets allowing you to share a single power connection with multiple pieces of equipment. Available in two configurations: basic and metered. Basic Power Strips feature a master lighted switch or optional thermal circuit breaker and surge protection. Circuit breakers limit the amount of current available to equipment while surge protection blocks excessive voltage from equipment. Both features are critical with unconditioned line power. Metered configurations include an in-line digital ammeter with display to show the amount of current being used by attached equipment. This feature allows the user to monitor current use and judge the amount of remaining capacity on the power strip before adding a new device to the circuit.

- Circuit Control:
  - Master lighted switch on horizontal rack-mount power strips
- Circuit Protection:
  - Thermal circuit breakers on vertical mount power strips
- Optional Surge Protection
  - 330 Volt, 1100 Joules
  - Surge suppression active indicator LED
- Current Metering:
  - Digital ammeter included on metered power strips
  - Ammeter has a 2-digit LED display
  - Overload alarm/flashing LED at breaker rating
- Certifications:
  - CE Marked
- Mounting hardware/brackets:
  - Horizontal rack-mount power strips include mounting brackets for 19"EIA and 23" wide racks
  - Vertical mount power strips include tool-less buttons; order mounting brackets separately

International Power Strip Plug & Receptacle/Outlet Table

Plug & Receptacle Configurations

Plug Inlet, Universal/Locking

IEC C20 230-250 VAC/16A	IEC 16A 2P+E 230-250 VAC/16A	IEC 32A 2P+E 230-250 VAC/32A	BS 1363 (UK) 230-250 VAC/13A

Power Receptacle/Outlet Table:

Receptacles/Outlets

IEC C13 230-250 VAC/10A	IEC C19 230-250 VAC/16A	BS 1363 (UK) 230-250 VAC/13A	Schuko DIN49440 230-250 VAC/16A	Universal GB2009.3 230-250 VAC/10A	CH GB1002 230-250 VAC/10A	CH GB1002 230-250 VAC/16A

INTERNATIONAL POWER STRIPS – VERTICAL

Basic Power Strips, Vertical Mount

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW	Plug	Breakers	Outlets	H	W	D
220-250 Volt, Single-Phase Power Strip								
15642-202	16	4.0	IEC C20	1 x 16A	(10) C13, (4) C19	43.1 (1095)	1.8 (46)	1.8 (46)
15642-206	16	4.0	IEC C20	1 x 16A	(12) UK BS1363 13A	48.3 (1227)	1.8 (46)	1.8 (46)
15642-212	16	4.0	IEC 16A 2P+E	1 x 16A	(10) C13, (4) C19	43.1 (1095)	1.8 (46)	1.8 (46)
15642-216	16	4.0	IEC 16A 2P+E	1 x 16A	(12) UK BS1363 13A	48.3 (1227)	1.8 (46)	1.8 (46)
15642-222	32	8.0	IEC 32A 2P+E	2 x 16A	(10) C13, (4) C19	48.3 (1227)	1.8 (46)	1.8 (46)
15642-226	32	8.0	IEC 32A 2P+E	2 x 16A	(12) UK BS1363 13A	53.4 (1357)	1.8 (46)	1.8 (46)
15642-232	13	3.3	UK BS1363	1 x 13A	(10) C13, (4) C19	43.1 (1095)	1.8 (46)	1.8 (46)
15642-236	13	3.3	UK BS1363	1 x 13A	(12) UK BS1363 13A	48.3 (1227)	1.8 (46)	1.8 (46)
15644-202	16	4.0	IEC C20	1 x 16A	(20) C13, (4) C19	61.3 (1557)	1.8 (46)	1.8 (46)
15644-205	16	4.0	IEC C20	1 x 16A	(24) Schuko DIN49440 16A	61.0 (1549)	1.8 (46)	1.8 (46)
15644-207	16	4.0	IEC C20	1 x 16A	(24) Universal GB2009.3 10A	61.3 (1557)	1.8 (46)	1.8 (46)
15644-208	16	4.0	IEC C20	1 x 16A	(20) CH GB1002 10A, (4) 16A	61.3 (1557)	1.8 (46)	1.8 (46)
15644-212	16	4.0	IEC 16A 2P+E	1 x 16A	(20) C13, (4) C19	61.3 (1557)	1.8 (46)	1.8 (46)
15644-215	16	4.0	IEC 16A 2P+E	1 x 16A	(24) Schuko DIN49440 16A	61.0 (1549)	1.8 (46)	1.8 (46)
15644-217	16	4.0	IEC 16A 2P+E	1 x 16A	(24) Universal GB2009.3 10A	61.3 (1557)	1.8 (46)	1.8 (46)
15644-218	16	4.0	IEC 16A 2P+E	1 x 16A	(20) CH GB1002 10A, (4) 16A	61.3 (1557)	1.8 (46)	1.8 (46)
15644-222	32	8.0	IEC 32A 2P+E	2 x 16A	(20) C13, (4) C19	66.5 (1689)	1.8 (46)	1.8 (46)
15644-225	32	8.0	IEC 32A 2P+E	2 x 16A	(24) Schuko DIN49440 16A	64.8 (1646)	1.8 (46)	1.8 (46)
15644-227	32	8.0	IEC 32A 2P+E	2 x 16A	(24) Universal GB2009.3 10A	66.5 (1689)	1.8 (46)	1.8 (46)
15644-228	32	8.0	IEC 32A 2P+E	2 x 16A	(20) CH GB1002 10A, (4) 16A	66.5 (1689)	1.8 (46)	1.8 (46)
15644-232	13	3.3	UK BS1363	1 x 13A	(20) C13, (4) C19	61.3 (1557)	1.8 (46)	1.8 (46)
15644-237	13	3.3	UK BS1363	1 x 13A	(24) Universal GB2009.3 10A	61.3 (1557)	1.8 (46)	1.8 (46)
220-250 Volt, Single-Phase Power Strip, Surge-Protected								
15642-102	16	4.0	IEC C20	1 x 16A	(10) C13, (4) C19	43.1 (1095)	1.8 (46)	1.8 (46)
15642-106	16	4.0	IEC C20	1 x 16A	(12) UK BS1363 13A	48.3 (1227)	1.8 (46)	1.8 (46)
15642-112	16	4.0	IEC 16A 2P+E	1 x 16A	(10) C13, (4) C19	43.1 (1095)	1.8 (46)	1.8 (46)
15642-116	16	4.0	IEC 16A 2P+E	1 x 16A	(12) UK BS1363 13A	48.3 (1227)	1.8 (46)	1.8 (46)
15642-122	32	8.0	IEC 32A 2P+E	2 x 16A	(10) C13, (4) C19	48.3 (1227)	1.8 (46)	1.8 (46)
15642-126	32	8.0	IEC 32A 2P+E	2 x 16A	(12) UK BS1363 13A	53.4 (1357)	1.8 (46)	1.8 (46)
15642-132	13	3.3	UK BS1363	1 x 13A	(10) C13, (4) C19	43.1 (1095)	1.8 (46)	1.8 (46)
15642-136	13	3.3	UK BS1363	1 x 13A	(12) UK BS1363 13A	48.3 (1227)	1.8 (46)	1.8 (46)

Notes: All power strips have attached 10'L (3 m) power cord.

15644-222 shown

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW	Plug	Breakers	Outlets	H	W	D
220-250 Volt, Single-Phase Power Strip, Surge-Protected								
15644-102	16	4.0	IEC C20	1 x 16A	(20) C13, (4) C19	61.3 (1557)	1.8 (46)	1.8 (46)
15644-105	16	4.0	IEC C20	1 x 16A	(24) Schuko DIN49440 16A	61.0 (1549)	1.8 (46)	1.8 (46)
15644-107	16	4.0	IEC C20	1 x 16A	(24) Universal GB2009.3 10A	61.3 (1557)	1.8 (46)	1.8 (46)
15644-108	16	4.0	IEC C20	1 x 16A	(20) CH GB1002 10A, (4) 16A	61.3 (1557)	1.8 (46)	1.8 (46)
15644-112	16	4.0	IEC 16A 2P+E	1 x 16A	(20) C13, (4) C19	61.3 (1557)	1.8 (46)	1.8 (46)
15644-115	16	4.0	IEC 16A 2P+E	1 x 16A	(24) Schuko DIN49440 16A	61.0 (1549)	1.8 (46)	1.8 (46)
15644-117	16	4.0	IEC 16A 2P+E	1 x 16A	(24) Universal GB2009.3 10A	61.3 (1557)	1.8 (46)	1.8 (46)
15644-118	16	4.0	IEC 16A 2P+E	1 x 16A	(20) CH GB1002 10A, (4) 16A	61.3 (1557)	1.8 (46)	1.8 (46)
15644-122	32	8.0	IEC 32A 2P+E	2 x 16A	(20) C13, (4) C19	66.5 (1689)	1.8 (46)	1.8 (46)
15644-125	32	8.0	IEC 32A 2P+E	2 x 16A	(24) Schuko DIN49440 16A	64.8 (1646)	1.8 (46)	1.8 (46)
15644-127	32	8.0	IEC 32A 2P+E	2 x 16A	(24) Universal GB2009.3 10A	66.5 (1689)	1.8 (46)	1.8 (46)
15644-128	32	8.0	IEC 32A 2P+E	2 x 16A	(20) CH GB1002 10A, (4) 16A	66.5 (1689)	1.8 (46)	1.8 (46)
15644-132	13	3.3	UK BS1363	1 x 13A	(20) C13, (4) C19	61.3 (1557)	1.8 (46)	1.8 (46)
15644-137	13	3.3	UK BS1363	1 x 13A	(24) Universal GB2009.3 10A	61.3 (1557)	1.8 (46)	1.8 (46)

Notes: All power strips have attached 10'L (3 m) power cord.

Metered Power Strips, Vertical Mount

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW	Plug	Breakers	Outlets	H	W	D
220-250 Volt, Single-Phase Power Strip								
15643-202	16	4.0	IEC C20	1 x 16A	(10) C13, (4) C19	43.1 (1095)	1.8 (46)	1.8 (46)
15643-206	16	4.0	IEC C20	1 x 16A	(12) UK BS1363 13A	48.3 (1227)	1.8 (46)	1.8 (46)
15643-212	16	4.0	IEC 16A 2P+E	1 x 16A	(10) C13, (4) C19	43.1 (1095)	1.8 (46)	1.8 (46)
15643-216	16	4.0	IEC 16A 2P+E	1 x 16A	(12) UK BS1363 13A	48.3 (1227)	1.8 (46)	1.8 (46)
15643-222	32	8.0	IEC 32A 2P+E	2 x 16A	(10) C13, (4) C19	48.3 (1227)	1.8 (46)	1.8 (46)
15643-226	32	8.0	IEC 32A 2P+E	2 x 16A	(12) UK BS1363 13A	53.4 (1357)	1.8 (46)	1.8 (46)
15643-232	13	3.3	UK BS1363	1 x 13A	(10) C13, (4) C19	43.1 (1095)	1.8 (46)	1.8 (46)
15643-236	13	3.3	UK BS1363	1 x 13A	(12) UK BS1363 13A	48.3 (1227)	1.8 (46)	1.8 (46)
15645-202	16	4.0	IEC C20	1 x 16A	(20) C13, (4) C19	61.3 (1557)	1.8 (46)	1.8 (46)
15645-205	16	4.0	IEC C20	1 x 16A	(24) Schuko DIN49440 16A	61.0 (1549)	1.8 (46)	1.8 (46)
15645-207	16	4.0	IEC C20	1 x 16A	(24) Universal GB2009.3 10A	61.3 (1557)	1.8 (46)	1.8 (46)
15645-208	16	4.0	IEC C20	1 x 16A	(20) CH GB1002 10A, (4) 16A	61.3 (1557)	1.8 (46)	1.8 (46)
15645-212	16	4.0	IEC 16A 2P+E	1 x 16A	(20) C13, (4) C19	61.3 (1557)	1.8 (46)	1.8 (46)
15645-215	16	4.0	IEC 16A 2P+E	1 x 16A	(24) Schuko DIN49440 16A	61.0 (1549)	1.8 (46)	1.8 (46)
15645-217	16	4.0	IEC 16A 2P+E	1 x 16A	(24) Universal GB2009.3 10A	61.3 (1557)	1.8 (46)	1.8 (46)
15645-218	16	4.0	IEC 16A 2P+E	1 x 16A	(20) CH GB1002 10A, (4) 16A	61.3 (1557)	1.8 (46)	1.8 (46)
15645-222	32	8.0	IEC 32A 2P+E	2 x 16A	(20) C13, (4) C19	66.5 (1689)	1.8 (46)	1.8 (46)
15645-225	32	8.0	IEC 32A 2P+E	2 x 16A	(24) Schuko DIN49440 16A	64.8 (1646)	1.8 (46)	1.8 (46)
15645-227	32	8.0	IEC 32A 2P+E	2 x 16A	(24) Universal GB2009.3 10A	66.5 (1689)	1.8 (46)	1.8 (46)
15645-228	32	8.0	IEC 32A 2P+E	2 x 16A	(20) CH GB1002 10A, (4) 16A	66.5 (1689)	1.8 (46)	1.8 (46)
15645-232	13	3.3	UK BS1363	1 x 13A	(20) C13, (4) C19	61.3 (1557)	1.8 (46)	1.8 (46)
15645-237	13	3.3	UK BS1363	1 x 13A	(24) Universal GB2009.3 10A	61.3 (1557)	1.8 (46)	1.8 (46)

INTERNATIONAL POWER STRIPS – VERTICAL

Metered Power Strips, Vertical Mount

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW	Plug	Breakers	Outlets	H	W	D
220-250 Volt, Single-Phase Power Strip, Surge-Protected								
15643-102	16	4.0	IEC C20	1 x 16A	(10) C13, (4) C19	43.1 (1095)	1.8 (46)	1.8 (46)
15643-106	16	4.0	IEC C20	1 x 16A	(12) UK BS1363 13A	48.3 (1227)	1.8 (46)	1.8 (46)
15643-112	16	4.0	IEC 16A 2P+E	1 x 16A	(10) C13, (4) C19	43.1 (1095)	1.8 (46)	1.8 (46)
15643-116	16	4.0	IEC 16A 2P+E	1 x 16A	(12) UK BS1363 13A	48.3 (1227)	1.8 (46)	1.8 (46)
15643-122	32	8.0	IEC 32A 2P+E	2 x 16A	(10) C13, (4) C19	48.3 (1227)	1.8 (46)	1.8 (46)
15643-126	32	8.0	IEC 32A 2P+E	2 x 16A	(12) UK BS1363 13A	53.4 (1357)	1.8 (46)	1.8 (46)
15643-132	13	3.3	UK BS1363	1 x 13A	(10) C13, (4) C19	43.1 (1095)	1.8 (46)	1.8 (46)
15643-136	13	3.3	UK BS1363	1 x 13A	(12) UK BS1363 13A	48.3 (1227)	1.8 (46)	1.8 (46)
15645-102	16	4.0	IEC C20	1 x 16A	(20) C13, (4) C19	61.3 (1557)	1.8 (46)	1.8 (46)
15645-105	16	4.0	IEC C20	1 x 16A	(24) Schuko DIN49440 16A	61.0 (1549)	1.8 (46)	1.8 (46)
15645-107	16	4.0	IEC C20	1 x 16A	(24) Universal GB2009.3 10A	61.3 (1557)	1.8 (46)	1.8 (46)
15645-108	16	4.0	IEC C20	1 x 16A	(20) CH GB1002 10A, (4) 16A	61.3 (1557)	1.8 (46)	1.8 (46)
15645-112	16	4.0	IEC 16A 2P+E	1 x 16A	(20) C13, (4) C19	61.3 (1557)	1.8 (46)	1.8 (46)
15645-115	16	4.0	IEC 16A 2P+E	1 x 16A	(24) Schuko DIN49440 16A	61.0 (1549)	1.8 (46)	1.8 (46)
15645-117	16	4.0	IEC 16A 2P+E	1 x 16A	(24) Universal GB2009.3 10A	61.3 (1557)	1.8 (46)	1.8 (46)
15645-118	16	4.0	IEC 16A 2P+E	1 x 16A	(20) CH GB1002 10A, (4) 16A	61.3 (1557)	1.8 (46)	1.8 (46)
15645-122	32	8.0	IEC 32A 2P+E	2 x 16A	(20) C13, (4) C19	66.5 (1689)	1.8 (46)	1.8 (46)
15645-125	32	8.0	IEC 32A 2P+E	2 x 16A	(24) Schuko DIN49440 16A	64.8 (1646)	1.8 (46)	1.8 (46)
15645-127	32	8.0	IEC 32A 2P+E	2 x 16A	(24) Universal GB2009.3 10A	66.5 (1689)	1.8 (46)	1.8 (46)
15645-128	32	8.0	IEC 32A 2P+E	2 x 16A	(20) CH GB1002 10A, (4) 16A	66.5 (1689)	1.8 (46)	1.8 (46)
15645-132	13	3.3	UK BS1363	1 x 13A	(20) C13, (4) C19	61.3 (1557)	1.8 (46)	1.8 (46)
15645-137	13	3.3	UK BS1363	1 x 13A	(24) Universal GB2009.3 10A	61.3 (1557)	1.8 (46)	1.8 (46)

Notes: All power strips have attached 10'L (3 m) power cord.

Vertical PDU Mounting Bracket Kit

Used to attach Vertical PDUs to CPI Cabinet and Rack Systems.
• Each Mounting Bracket Kit includes a pair of mounting brackets to support the PDU.

Part Number	Description	Shipping Weight lb (kg)
35700-701	For Rack Systems	2 (0.9)

Note: Mounting Kits are included with CPI Cabinets.

Basic Power Strips, Horizontal Mount

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW	Plug	Control	Outlets	H	W	D
220-250 Volt, Single-Phase Power Strip								
15640-201	16	4.0	IEC C20	Master Lighted Switch	(10) C13	1U	19"EIA/23"	1.8 (46)
15640-202	16	4.0	IEC C20	Master Lighted Switch	(6) C13, (4) C19	1U	19"EIA/23"	4.6 (117)
15640-203	16	4.0	IEC C20	Master Lighted Switch	(4) C19	1U	19"EIA/23"	1.8 (46)
15640-204	16	4.0	IEC C20	Master Lighted Switch	(6) CH GB1002 10A	1U	19"EIA/23"	1.8 (46)
15640-205	16	4.0	IEC C20	Master Lighted Switch	(6) Schuko DIN49440 16A	1U	19"EIA/23"	1.8 (46)
15640-206	16	4.0	IEC C20	Master Lighted Switch	(6) UK BS1363 13A	1U	19"EIA/23"	1.8 (46)
15640-207	16	4.0	IEC C20	Master Lighted Switch	(6) Universal GB2009.3 10A	1U	19"EIA/23"	1.8 (46)
15640-211	16	4.0	IEC 16A 2P+E	Master Lighted Switch	(10) C13	1U	19"EIA/23"	1.8 (46)
15640-212	16	4.0	IEC 16A 2P+E	Master Lighted Switch	(6) C13, (4) C19	1U	19"EIA/23"	4.6 (117)
15640-213	16	4.0	IEC 16A 2P+E	Master Lighted Switch	(4) C19	1U	19"EIA/23"	1.8 (46)
15640-214	16	4.0	IEC 16A 2P+E	Master Lighted Switch	(6) CH GB1002 10A	1U	19"EIA/23"	1.8 (46)
15640-215	16	4.0	IEC 16A 2P+E	Master Lighted Switch	(6) Schuko DIN49440 16A	1U	19"EIA/23"	1.8 (46)
15640-216	16	4.0	IEC 16A 2P+E	Master Lighted Switch	(6) UK BS1363 13A	1U	19"EIA/23"	1.8 (46)
15640-217	16	4.0	IEC 16A 2P+E	Master Lighted Switch	(6) Universal GB2009.3 10A	1U	19"EIA/23"	1.8 (46)
15640-231	13	3.3	UK BS1363	Master Lighted Switch	(10) C13	1U	19"EIA/23"	1.8 (46)
15640-232	13	3.3	UK BS1363	Master Lighted Switch	(6) C13, (4) C19	1U	19"EIA/23"	4.6 (117)
15640-236	13	3.3	UK BS1363	Master Lighted Switch	(6) UK BS1363 13A	1U	19"EIA/23"	1.8 (46)

Notes: Includes 19"EIA and 23"W horizontal rack-mount brackets. All power strips have a lighted master switch (no breaker) and an attached 10'L (3 m) cord.

15640-211 shown

15640-236 shown

17763-007 shown.

17763-010 shown.

17763-013 shown.

IEC C20 PDU Input Power Cords

Input power cords for use with eConnect PDUs, PDUs and Power Strips that have IEC C20 inlets.
- Select power cord to match power connection in the facility
- IEC C19 Connector attaches to the C20 Inlet on the PDU
- Sold individually, order one power cord per PDU

Part Number	Description	Shipping Weight lb (kg)
17763-001	PDU Input Power Cord, 110-125 VAC or 200-240 VAC, IEC C19 Connector to IEC C20 Plug, 10'L (3 m)	3 (1.4)
17763-002	PDU Input Power Cord, 110-125 VAC, IEC C19 Connector to NEMA 5-15P Plug, 8'2"L (2.4 m)	3 (1.4)
17763-003	PDU Input Power Cord, 110-125 VAC, IEC C19 Connector to NEMA 5-20P Plug, 8'2"L (2.4 m)	3 (1.4)
17763-004	PDU Input Power Cord, 200-240 VAC, IEC C19 Connector to NEMA 6-15P Plug, 8'2"L (2.4 m)	3 (1.4)
17763-005	PDU Input Power Cord, 200-240 VAC, IEC C19 Connector to NEMA 6-20P Plug, 8'2"L (2.4 m)	3 (1.4)
17763-006	PDU Input Power Cord, 110-125 VAC, IEC C19 Connector to NEMA L5-15P Plug, 10'L (3 m)	3 (1.4)
17763-007	PDU Input Power Cord, 110-125 VAC, IEC C19 Connector to NEMA L5-20P Plug, 10'L (3 m)	3 (1.4)
17763-008	PDU Input Power Cord, 200-240 VAC, IEC C19 Connector to NEMA L6-15P Plug, 10'L (3 m)	3 (1.4)
17763-009	PDU Input Power Cord, 200-240 VAC, IEC C19 Connector to NEMA L6-20P Plug, 10'L (3 m)	3 (1.4)
17763-010	PDU Input Power Cord, 200-240 VAC, IEC C19 Connector to IEC 16A 2P+E Plug, 10'L (3 m)	3 (1.4)
International Plugs		
17763-011	PDU Input Power Cord, 200-240 VAC, IEC C19 Connector to 16A CEE7/7 Schuko Plug (Europe), 8'2"L (2.4 m)	3 (1.4)
17763-012	PDU Input Power Cord, 200-240 VAC, IEC C19 Connector to BS1363 Plug (Brittish), 8'2"L (2.4 m)	3 (1.4)
17763-013	PDU Input Power Cord, 200-240 VAC, IEC C19 Connector to CEI23 Plug (Italian), 8'2"L (2.4 m)	3 (1.4)

See the Output and Input Plug Table on page 7-4 for plug diagrams.

17761-001 shown.

Environmental Probe and Temperature Humidity Sensor

Monitored, Switched and Pro eConnect PDUs include a single external connection that can attach up to two Environmental Probes using a splitter. When attached, the PDU will report temperature and humidity measurements for each probe on the local display and remotely through the built-in web interface.

• Sold individually or in a kit with two probes and a splitter

• Each probe is a combination temperature and humidity sensor with attached 6'L (1.8 m) cord allowing the sensor to be positioned appropriately within the cabinet

Part Number	Description	Shipping Weight lb (kg)
17761-003	(2) Environmental Probes with (1) Temperature and (1) Humidity Sensor Kit with splitter 72"L (1828 mm) x 2"H (50 mm) x 2"W (50 mm)	1 (0.5)
17761-001	Enviromental Probe with (1) Temperature and (1) Humidity Sensor 72"L (1828 mm) x 1"H (25 mm) x 1"W (25 mm)	1 (0.5)
17761-002	Environmental Probe Splitter 6"L (152 mm) x 2"H (50 mm) x 2"W (50 mm)	1 (0.5)

Note: You can attach one probe directly to the PDU; the splitter is required to attach two probes.

39110-C01

13780-C01

25140-701

Vertical PDU Mounting Bracket Kit

Used to attach Vertical PDUs to CPI Cabinet and Rack Systems.

• Each Mounting Bracket Kit includes a pair of mounting brackets to support the PDU.

• Select the kit to match the cabinet or rack model.

Part Number	Description	Shipping Weight lb (kg)
39110-C01	For F-Series TeraFrame Gen 3 Cabinet System or GF-Series Gen 2 Cabinet System	2 (0.9)
13780-C01	For F-Series TeraFrame Gen 2 Cabinet System	2 (0.9)
25140-701	For GF-Series GlobalFrame Gen 1 Cabinet System	2 (0.9)
13762-701	For M-Series MegaFrame Cabinet System or C-Series SlimFrame Cabinet System	2 (0.9)
35700-701	For Rack Systems	2 (0.9)

Note: Mounting Kits are included with CPI Cabinets.

13762-701

35700-701

PowerScope In-Line Meter

Use the PowerScope In-Line Meter in data centers, computer and equipment rooms to upgrade existing basic or metered PDUs with network-based current monitoring. PowerScope attaches between the power connection and PDU and measures total current use by equipment attached to the PDU. It features an Ethernet connection which allows current monitoring through an IP connection using a web browser, or third-party software that support SNMPv1 protocol. It also has an external temperature and humidity sensor connection. Connect the environmental sensor (sold separately) to monitor temperature and humidity conditions in the cabinet.

• Match the Plug/Connector style to the PDU; power cords are 3'L (1 m)

• CPI PowerScope In-Line Meter is available in a 1U horizontal rack-mount configuration only, Optional local meters

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW	Plug	Local Meter	Connectors	H	W	D
For 110-125 Volt, Single-Phase PDUs								
35992-100	20	1.9	(2) NEMA L5-20P	No	(2) L5-20R	1U	19"EIA	9.0 (230)
35992-120	20	1.9	(2) NEMA L5-20P	Yes	(2) L5-20R	1U	19"EIA	9.0 (230)
35992-200	30	2.9	(2) NEMA L5-30P	No	(2) L5-30R	1U	19"EIA	9.0 (230)
35992-220	30	2.9	(2) NEMA L5-30P	Yes	(2) L5-30R	1U	19"EIA	9.0 (230)
For 200-240 Volt, Single-Phase PDUs								
35992-301	20	3.3	(2) NEMA L6-20P	No	(2) L6-20R	1U	19"EIA	9.0 (230)
35991-311	20	3.3	(1) NEMA L6-20P	Yes	(1) L6-20R	1U	19"EIA	9.0 (230)
35991-312	16	2.7	(1) IEC 16A 2P+E	Yes	(1) IEC 16A 2P+E	1U	19"EIA	9.0 (230)
35992-321	20	3.3	(2) NEMA L6-20P	Yes	(2) L6-20R	1U	19"EIA	9.0 (230)
35592-322	16	2.7	(2) IEC 16A 2P+E	Yes	(2) IEC 16A 2P+E	1U	19"EIA	9.0 (230)
35992-401	30	5.0	(2) NEMA L6-30P	No	(2) L6-30R	1U	19"EIA	9.0 (230)
35991-411	30	5.0	(1) NEMA L6-30P	Yes	(1) L6-30R	1U	19"EIA	9.0 (230)
35991-412	32	5.3	(1) IEC 32A 2P+E	Yes	(1) IEC 32A 2P+E	1U	19"EIA	9.0 (230)
35992-421	30	5.0	(2) NEMA L6-30P	Yes	(2) L6-30R	1U	19"EIA	9.0 (230)
35992-422	32	5.3	(2) IEC 32A 2P+E	Yes	(2) IEC 32A 2P+E	1U	19"EIA	9.0 (230)
For 208 Volt, Three-Phase PDUs								
35993-405	30	8.6	(1) L21-30P	No	(1) L21-30R	1U	19"EIA	9.0 (230)
35993-404	30	8.6	(1) L15-30P	No	(1) L15-30R	1U	19"EIA	9.0 (230)
35993-603	50	12.6	(1) 50A CS8365C	No	(1) 50A CS8375	1U	19"EIA	9.0 (230)

Note: Includes mounting brackets for 19"EIA rack/cabinet. Input/output cords are 3'L (1 m). For kW column, all values are derated calculations per UL for use in North America. For 50A, the CS8365C 50A plug is rated for 50A, but maximum input is 35A (12.6 kw) on three breaker PDUs.

PowerScope In-Line Meter front and rear views

IT-Series 600-2000VA UPS

IT-Series is a line interactive UPS that provides cost-effective, high quality power protection for a wide range of applications. Available in 19" Rack-Mount and Tower models.

• True sine wave, line interactive design
• AVR Buck and Boost voltage regulation
• Equipped with RS-232 and USB Ports and communication slot
• Monitoring and management software included
• Front panel has (6) LEDs for quick visual notification
• Fully digitized, microprocessor-controlled
• Cold Start (DC Power On); SNMP communication ready
• Hot swappable, user-replaceable batteries

Part Number	Description
(VA, Watts, VAC, Input Plug, Outlets, Full-Load On Battery Runtime)	
CPI0600ITSIR	Rack-Mount, 600VA/360W, 120V, 5-15P, (4) 5-15R, 14 min.
CPI1000ITSIR	Rack-Mount, 1000VA/600W, 120V, 5-15P, (4) 5-15R, 6 min.
CPI1500ITSIR	Rack-Mount, 1500VA/900W, 120V, 5-15P, (6) 5-15R, 6 min.
CPI2000ITSIR	Rack-Mount, 2000VA/1200W, 120V, 5-20P, (6) 5-15R, 6 min.
CPI0600ITSIT	Tower, 600VA/360W, 120V, 5-15P, (4) 5-15R, 14 min.
CPI1000ITSIT	Tower, 1000VA/600W, 120V, 5-15P, (4) 5-15R, 6 min.
CPI1500ITSIT	Tower, 1500VA/900W, 100-120 VAC, NEMA 5-15P Plug, (6) 5-15R, 6 min.
CPI2000ITSIT	Tower, 2000VA/1200W, 100-120 VAC, NEMA 5-20P Plug, (6) 5-15R, 6 min.
CPIITSNMP	SNMP/Web Interface Plug-In Card
CPI-19IN-RAILKIT	Rail Kit, 19" EIA Rack-Mount

VH Series UPS, 120V

The VH Series UPS connects between the utility and the critcal load to ensure that when the utility fails, the load continues to receive constant, reliable power. UPS is a true VFI (Volatege and Frequency Independent) on-line double conversion, transformerless UPS.

• 2U design, unique failsafe inetrnal bypass
• Superior battery management and optional remote monitoring
• MTBF > 730,000 hours
• Increased power handling (0.9) output power factor

Part Number	Description
(VA, Watts, VAC, Input Plug, Outlets, Full-Load On Battery Runtime)	
CPI25510	700VA/630W, 120V, 5-15P, (4) 5-15R, 8 min.
CPI25511	1000VA/900W, 120V, 5-15P, (6) 5-15R, 8 min.
CPI25512	1500VA/1350W, 120V, 5-15P, (6) 5-15R, 7 min.
CPI25513	1920VA/1740W, 120V, 5-20P, (6) 5-15R/(1) L5-20R, 8 min.
CPI25268	Expansion Battery, 1000VA UPS
CPI25269	Expansion Battery, 1500VA/1920VA UPS
CPI1019070	SNMP/Web Interface Plug-in Card
CPI-19IN-RAILKIT	Rail Kit, 19" EIA Rack-Mount

Order the rail kit with rack-mount models.

GT-Series 1000-3000VA UPS

The GT-Series is a true VFI (Voltage and Frequency Independent), on-line double conversion high performance device providing high-quality power protection. Available in 19"Rack-Mount and Tower models.

- High input power factor (>.97) and low input distortion
- Utilizes high-frequency PWM (Pulse Width Modulation) resulting in low output distortion and fast transient response
- Designed to handle short-circuit, high overload and overheating conditions
- High Crest Factor capability makes it ideal for computer loads
- Wide input voltage range minimizes switching, increasing battery life
- Automatic internal bypass
- UPS management software facilitates operation and maintenance
- PDU connectivity on 208V, Tower Model

Part Number	Description
(VA, Watts, VAC, Input Plug, Outlets, Full-Load On Battery Runtime)	
CPI16180	Rack-Mount, 3000VA/2400W, 120V, L5-30P, (8) 5-20R/(1) L5-30R, 5 min.
CPI16166	Tower, 3000VA/2400W, 120V, L5-30P, (6) 5-20R/(1) L5-30R, 5 min.
CPI16171	Tower, 3000VA/2400W, 208V, L6-20P, (4) 6-20R/(1) L6-20R, 5 min.
CPI16327	Expansion Battery Pack, Rack-Mount Model
CPI16323	Expansion Battery Pack, Tower Model
CPI16400	SNMP Plug-in Card
CPI-19IN-RAILKIT	Rail Kit, 19" EIA Rack-Mount

Order the rail kit with rack-mount models.

GT-Series 5000-6000VA UPS

This GT-Series is a transformerless UPS that protects critical equipment from any fluctuation in your power source with a true VFI (Volatege and Frequency Independent) on-line double conversion. Unit design can be rack-mounted or used as a stand alone tower.

- Auto Sensing 50/60 Hz, extended runtime options with 2U Plug & Play Battery Packs
- RS-232 port and contact interface device with SNMP card slot
- Includes monitoring and operation software
- User replaceable hot swappable batteries
- Internal auto and manual bypass

Part Number	Description
(VA, Watts, VAC, Input Plug, Outlets, Full-Load On Battery Runtime)	
CPI23913UB	UPS, 5000VA/4200W, 240/208/120 VAC, Requires PDU, 6 min.
CPI23914UB	UPS, 6000VA/4200W, 240/208/120 VAC, Requires PDU, 6 min.
CPI1020621	PDU, Terminal Block (TB) in, TB out, No Bypass
CPI1020622	PDU, TB in, TB out, Bypass
CPI1020623	PDU L14-30P in,(4) 5-20R/(1) L6-30R/(1) L14-30R out
CPI1020624	PDU, L14-30P in,(2) 5-20R/(2) L6-20R out
CPI1020625	PDU, L14-30P in,(4) 5-20R/(1) L6-30R out
CPI1020626	PDU, L14-30P in,(4) C13 out
CPI1020627	PDU L14-30P in,(4) L5-20R/(2) L5-30R out
CPI1020628	PDU, L14-30P in,(4) L5-20R/(2) L6-30R out
CPI1020629	PDU, L14-30P in,(4) L6-20R out
CPI23916EBM	Expansion Battery Pack
CPI16327	Expansion Battery Pack, Rack-Mount Model
CPI23954	SNMP/Web Interface Plug-in Card
CPI-19IN-RAILKIT	Rail Kit, 19" EIA Rack-Mount

Order the rail kit to rack-mount the UPS.

GT-Series 8000-10000VA UPS

GT-Series 8000-10000VA UPS protects equipment from any fluctuation in your power source and is a true VFI (Volatege and Frequency Independent) on-line double conversion, transformerless UPS. Unit design can be rack-mounted or used as a stand alone tower.

- Auto Sensing 50/60 Hz, extended runtime options with 2U Plug & Play Battery Packs
- RS-232 port and contact interface device with SNMP Slot
- Includes monitoring and operation software
- User replaceable hot swappable batteries
- Unit can be expanded to create a parallel system
- Parallel N+2 of N+1 redundancy

Part Number	Description
	(VA, Watts, VAC, Input Plug, Outlets, Full-Load On Battery Runtime)
CPI23917UB	UPS, 8000VA/6900W, 240/208/120 VAC, Requires PDU, 6 min.
CPI23918UB	UPS, 10000VA/8000W, 240/208/120 VAC, Requires PDU, 6 min.
CPI1020660	PDU, Terminal Block (TB) in, (8) 5-20R/(2) L6-30R out
CPI1020661	PDU, TB in, (4) 5-20R/(4) L6-20R out
CPI1020662	PDU, TB in, (4) 5-20R/(4) L6-30R out
CPI1020663	PDU, TB in, (4) 5-20R/(2) L6-20R/(2) L6-30R out
CPI1020664	PDU, TB in, (4) 5-20R/(2) L5-20R/(2) L6-30R out
CPI1020665	PDU, TB in, (4) L5-20R/(4) L6-20R out
CPI23920EBM	Expansion Battery Pack
CPI23954	SNMP/Web Interface Plug-in Card
CPI-19IN-RAILKIT	Rail Kit, 19" EIA Rack-Mount

Order the rail kit to rack-mount the UPS.

LP-11U Series UPS

The LP-11U Series is a robust, high-performance system that operates in a double conversion mode with true on-line VFI (Voltage and Frequency Independent) operation. Design makes it suitable for industrial applications.

- Redundant Parallel Architecture (RPA) technology allows the unit to parallel up to four units
- High input power factor (.99) and low input distortion (<10%) prevents disturbances to other equipment
- Utilizes Pulse Width Modulation (PWM) digital control technique
- ECO mode enables automatic energy savings in stable power conditions
- High Crest Factor (5:1) capatability ideal for computer loads
- Designed to handle short-circuit, high-overload and overheating conditiond
- Compliant with North American standards (UL, cUL 1778) for VFI operation

Part Number	Description
(VA, Watts, VAC, Input Plug, Outlets, Full-Load On Battery Runtime)	
CPI105LP2230000	Tower, 5000VA/4000W, 120/208-240 VAC, HW, HW, 8 min.
CPI106LP2230000	Tower, 6000VA/4800 VA, 120/208-240V, HW, HW, 11 min.
CPI108LP2230000	Tower, 8000VA/6400W, 120/208-240V, HW, HW, 8 min.
CPI110LP2230000	Tower, 10000VA/8000W, 120/208-240V, HW, HW, 8 min.
CPI12434	Additonal Battery Cabinet, 7Ah
CPI12438	Additonal Battery Cabinet, 14Ah
CPI1019070	SNMP/Web Interface Plug-in Card
CPI12458	RS232 / Contact Interface
CPI12351	RPA Kit (order one per UPS)

Note: Inlet and outlets on the LP-11U Series UPS are hardwired (HW).

KVM SYSTEMS

Keyboard, Video, Monitor Systems & Accessories

KVM SYSTEMS

CPI provides space-saving, scalable and fully integrated KVM Systems with optional IP capability. KVM Systems provide convenient console and IP access to servers.

KVM Systems include:
Analog and IP KVM with DB15 Ports
- Compact, simple and cost-effective single-user keyboard, video and mouse (KVM) switching solutions for small and medium-sized computer rooms
- Access up to 16 computers per switch and 128 with expansion switches
- View computers from the rack-mount drawer
- View computers over the IP network using a web browser with IP KVM Switch and DB15 Ports
- Transfer between computers with intuitive, on-screen menu or keyboard hot keys

KVM over IP with Cat 5/6 Ports
- Enterprise class, multi-user KVM switches
- Access up to 32 computers per switch and 256 with expansion switches
- View computers from the rack-mount drawer, a remote computer or over the IP network using a web browser
- Transfer between computers with intuitive, on-screen menu or keyboard hot keys

17" LCD KVM DRAWER

The 17" LCD KVM Drawer is a combination LCD flat panel display, keyboard and touchpad console that uses only 1U of rack-mount space. Use the space-saving 17" LCD KVM Drawer in 4-post racks and cabinets to provide easy access to rack-mount equipment.

The 17" LCD KVM Drawer includes a 17" TFT LCD color display, a full size keyboard with separate number pad and an integrated touchpad. Both US and UK keyboard layouts are available. The drawer has a single HD15 connector and includes a Combo KVM Cable with connections for VGA video and PS/2, as well as USB keyboard and mouse, allowing one cable to connect all types of equipment. The display supports a wide range of resolutions to match most PC, MAC, SUN, IBM, HP and Dell computers. A wide viewing angle and good contrast create a crisp, clear image.

Two drawer styles are available: single and dual rail. The single rail model features a laptop-style design where the keyboard and panel are hinged, and the LCD panel pivots open. On the dual rail model, the keyboard tray and panel are separate, which allows the LCD panel to be left in the open position when the keyboard tray is closed.

The 17" LCD KVM Drawer is part of a complete solution that includes KVM Switches, which provide access to multiple computers from a single set of peripherals.

37200-111

37201-111

Features:

- Combination rack-mount LCD panel, keyboard and touchpad drawer
- For 19"EIA cabinets, uses only 1U of rack-mount space
- Single or dual rail models; dual rail model allows the display to remain open when the keyboard tray is closed
- 17" industrial TFT LCD display
- US or UK keyboard layouts with integrated touchpad
- Supports VGA video connection and PS/2 or USB keyboard and mouse connections
- Three-piece mounting rails allow easy one-person installation
- Keyboard locks in the open position to prevent movement when typing
- Also available with an integrated KVM Switch

Part Number		Description	Shipping Weight lb (kg)
US Keyboard	UK Keyboard		
37200-111	37200-112	Single Rail LCD KVM Drawer	43 (19.5)
37201-111	37201-112	Dual Rail LCD KVM Drawer	43 (19.5)

Note: The US and UK keyboards have the same keys but locations of some symbol keys are different. Additionally, the UK keyboard includes a key for the Pound Symbol. The part numbers listed above do not include a KVM switch.

17" LCD KVM DRAWER

Specifications:

- Combination rack-mount LCD flat panel monitor, keyboard and touchpad console
- For indoor use only, in environmentally controlled areas; may not be used outdoors, in harsh environments or in air-handling spaces
- Dimensions:
  1.73"H x 17.4"W x 25.6"D (44 mm x 442 mm x 650 mm)
- Rack-Mount Size: 1U x 19"EIA x 25.6"D (650 mm)
- 17" LCD monitor with TFT color display
- US or UK keyboard layout with Integrated touchpad
- Compatibility: Multi-platform, PC, MAC, SUN, IBM, HP and Dell
- Display specifications:
  - Brightness (cd/m²): 250
  - Color Support: 16.7 M
  - Contrast Ratio (typ.): 1000:1
  - Viewing Angle (H/V): 160° x 160°
  - Display Area (mm): 338 x 270
  - Tr Response Time (ms): 1.3
  - LCD Panel MTBF (hrs): 50,000
  - VGA Signal Input: Analog RGB, 0.7Vp-p
  - Sync. Type: Separate H/V, Composite, SOG
- Supports Screen Resolutions:
  - 720 x 400, 70 Hz
  - 640 x 480, 60/70/72/75 Hz
  - 800 x 600, 60/70/72/75 Hz
  - 1024 x 768, 60/70/75 Hz
  - 1152 x 864, 60/70/75 Hz
  - 1280 x 720, 60/70/75 Hz
  - 1280 x 1024, 60/70/72/75 Hz
- Input Connector:
  (1) HD15, 15-pin connector
- Electrical:
  - Power Input: Auto-sensing 100 to 240 VAC, 50/60 Hz
  - Power Consumption: Max. 48 Watt, Standby 5 Watt
  - Power Inlet: (1) IEC60320 C-14
- Environmental:
  - Operation: 32-122°F (0-50°C)
  - Storage: 23-140°F (-5-60°C)
  - Relative Humidity: 5%-90%, non-condensing
  - Shock: 10G acceleration (11 ms duration)
  - Vibration: 5-500Hz 1G RMS random vibration
- Regulation Approval:
  - FCC, CE (all)
- Select models are UL Listed: FIle E212076; Category NWGQ (US), Information Technology Equipment including Electrical Business Equipment (P/Ns 37200-111 and 37200-112).
- Includes Rack/Cabinet Mounting Brackets:
  - Requires four-point (front/rear) support
  - Maximum rack/cabinet front/rear rail-to-rail depth is 35.5" (900 mm)
- Includes Cables:
  - (1) 6'L (1.8 m) IEC60320 C-13 to NEMA 5-15P power cord
  - (1) 6'L (1.8 m) HD15 to VGA/PS2/USB Combo KVM Cable
- Finish: Black only
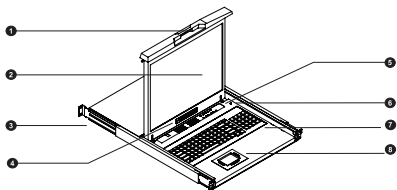
System Diagram:

Front view: 17" LCD KVM Drawer

1. Carry handle to release the 2-pt lock
2. 17" LCD TFT display panel
3. Rack-Mount Rails
4. LCD Adjustment Buttons
5. KVM Switch Adjustment Buttons (only on models with KVM Switch)
6. Micro switch for screen auto power off
7. Keyboard
8. Touchpad

Single-Rail, 17" LCD KVM Drawer
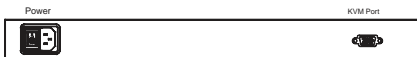
Back view: P/N 37200-111, 37200-112, 37201-111 and 37201-112.

Technical Data Sheet and User Manual illustrate cable diagrams.
Go to www.chatsworth.com/products/KVM-systems to download.

CPI: 800-834-4969

Analog KVM Switch with DB15 Ports

The Analog KVM Switch with DB15 ports provides basic, single-user access to 16 computers from a single set of peripherals and uses only 1U of rack-mount space. The Analog KVM Switch is an excellent solution for small and medium single-site facilities. It features a 16-port analog KVM switch that can be expanded with up to seven additional standalone switches to connect up to 128 computers. Available as a standalone switch or combined with a 17" LCD KVM Drawer.

The Analog KVM Switch supports eight password protected user accounts for added security and allows the user to easily transfer between computers with an intuitive on-screen menu or keyboard hotkeys. Individual user access can be assigned by port, and each port can be named with the computer name, simplifying equipment identification. Additionally, LEDs, which indicate port connection status and buttons that allow manual switching between computers, are on the front panel or the keyboard tray.

The 17" LCD KVM Drawer and Analog Switch includes a 17" TFT LCD color display, a full size keyboard with separate number pad and an integrated touchpad. The display supports a wide range of resolutions to match most PC, MAC, SUN, IBM, HP and Dell computers. The single rail model features a laptop-style design where the keyboard and panel are hinged, and the LCD panel pivots open. On the dual rail model, the keyboard tray and panel are separate, which allows the LCD panel to be left in the open position when the keyboard tray is closed.

37203-161, 17" LCD KVM Drawer and Analog Switch

37202-160, Analog KVM Switch

Features:

- Rack-mount Analog KVM (keyboard, video, mouse) switch
- For 19"EIA cabinets, uses only 1U of rack-mount space
- Connect 16 computers through one set of peripherals
- Multi-platform switch, supports VGA video connection and PS/2 or USB keyboard and mouse connections
- Easy switching between computers with buttons, hotkeys or on-screen display
- Password protected access and eight user accounts
- LEDs to indicate computer connections
- Expand by connecting up to eight switches together to access 128 computers from a single set of peripherals
- Also available with an integrated 17" LCD KVM Drawer
- Drawer available in single or dual rail models with US or UK keyboard layouts

Note: Connect the Analog KVM Switch to each computer with a Combo KVM Cable, or expand the number of ports by connecting another switch with a Cascade Cable. Each switch has 16 DB15 computer ports and one DB15 cascade expansion port.

Combo KVM Cables feature a VGA video connection and combination PS/2 and USB keyboard and mouse connections, so one type of cable connects all types of equipment. Order cables separately: one Combo KVM Cable per computer and one Cascade Cable per expansion switch.

Part Number		Description	Shipping Weight lb (kg)
US Keyboard	UK Keyboard		
37203-161	37203-162	Single Rail, 17" LCD KVM Drawer and Analog Switch, 16 DB15 ports, no IP Console	53 (24.1)
37204-161	37204-162	Dual Rail, 17" LCD KVM Drawer and Analog Switch, 16 DB15 ports, no IP Console	53 (24.1)
Analog KVM Switch			
37202-160		Analog KVM Switch, 16 DB15 ports, 1 Local, no IP Console	10 (4.5)

ANALOG KVM SWITCH with DB15 PORTS

Specifications:
- Rack-mount 16-port analog KVM switch
- For indoor use only, in environmentally controlled areas; may not be used outdoors, in harsh environments or in air-handling spaces
- Dimensions:
  - Switch: 1U x 19"EIA, 1.73"H x 17.6"W x 7.1"D (44 mm x 446 mm x 180 mm)
  - Drawer: 1U x 19"EIA, 1.73"H x 17.4"W x 25.6"D (44 mm x 442 mm x 650 mm)
- KVM Ports:
  - (16) DB-15 combo connector
  - Requires Combo KVM Cables (P/N 37208-161,-111), ordered separately
- KVM Management:
  - Multilingual OSD: English, French, German, Spanish, Italian, Russian, Simplified Chinese, Japanese
  - Hotkey combinations: Scroll-lock, Cap-lock, Num-lock, Alt, Ctrl & Win
  - Security: Password enable and disable, up to eight user profiles for port access
  - PC Selection: Front button, OSD menu, hotkey
- KVM Expansion:
  - Up to 128 servers by eight level cascade
  - Requires a Cascade Cable (P/N 37208-162), ordered separately
- KVM Compatibility:
  - Multi-platform: PC, MAC, SUN, IBM, HP and Dell
  - Support: Windows Vista/2003/XP/2000, Linux, Netware, Unix
- Drawer
  - 17" LCD monitor with TFT color display
  - US or UK keyboard layout
  - Integrated touchpad
  - KVM port status LEDs and buttons

- Display specifications
  - Brightness (cd/m²): 250
  - Color Support: 16.7 M
  - Contrast Ratio (typ.): 1000:1
  - Viewing Angle (H/V): 160° x 160°
  - Display Area (mm): 338 x 270
  - Tr Response Time (ms): 1.3
  - LCD Panel MTBF (hrs): 50,000
  - VGA Signal Input: Analog RGB, 0.7Vp-p
  - Sync. Type: Separate H/V, Composite, SOG
- Supports Screen Resolutions:
  - 720 x 400, 70 Hz
  - 640 x 480, 60/70/72/75 Hz
  - 800 x 600, 60/70/72/75 Hz
  - 1024 x 768, 60/70/75 Hz
  - 1152 x 864, 60/70/75 Hz
  - 1280 x 1024, 60/70/72/75 Hz
- Electrical:
  - Power Input: Auto-sensing 100 to 240 VAC, 50/60 Hz
  - Power Consumption: Max. 48 Watt, Standby 5 Watt
  - Power Inlet: (1) IEC60320 C-14
- Environmental:
  - Operation: 32-122°F (0-50°C)
  - Storage: 23-140°F (-5-60°C)
- Regulation Approval:
  - FCC, CE (all)
- Select models are UL Listed: FIle E212076; Category NWGQ (US), Information Technology Equipment including Electrical Business Equipment (P/Ns 37203-161 and 37203-162).
- Includes Rack/Cabinet Mounting Brackets:
  - Switch: Requires front only support
  - Drawer: Requires front and rear support, maximum rail depth is 35.5" (900 mm)
- Includes Cables:
  - (1) 6'L (1.8 m) IEC60320 C-13 to NEMA 5-15P power cord
- Finish: Black only

System Diagram:

Front view: 17" LCD KVM Drawer & Switch
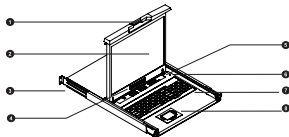
1. Carry handle to release the 2-pt lock
2. 17" LCD TFT display panel
3. Rack-Mount Rails
4. LCD Adjustment Buttons
5. KVM Switch Adjustment Buttons
6. Micro switch for screen auto power off
7. Keyboard
8. Touchpad
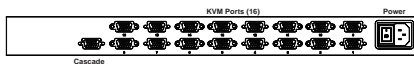
Back view: P/N 37203-161, 37203-162, 37204-161, 37204-162 – no local console (drawer is local console), no remote console, no IP console, 16 DB15 server connections, 1 DB15 cascade connection (use Cascade Cable P/N 37208-162)

Front view: Analog KVM Switch

LED indicators for connection and active port and buttons to manually switch port
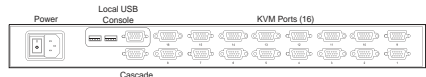
Back view: P/N 37202-160 – 1 local console, no remote console, no IP console, 16 DB15 server connections, 1 DB15 cascade connection (use Cascade Cable P/N 37208-162)

Technical Data Sheet and User Manual illustrate cable diagrams. Go to www.chatsworth.com/products/KVM-systems to download.

IP KVM Switch with DB15 Ports

37209-261, 17" LCD KVM Drawer and IP Switch

37212-260, IP KVM Switch with DB15 ports

The IP KVM Switch with DB15 computer ports provides basic, single-user access to 16 computers from a single set of peripherals or a network connection and uses only 1U of rack-mount space. The IP KVM Switch with DB15 computer ports is an excellent solution for small and medium single-site facilities. Drawer and Switch combination features an LCD flat panel display, keyboard and touchpad console and a 16-port IP KVM switch that can be expanded with up to seven additional standalone switches to connect up to 128 computers.

The IP KVM Switch with DB15 ports features two user interfaces: the local console and an IP connection accessed through the network using a Java-enabled web browser. The local console supports eight password protected user accounts for added security. Individual user access can be assigned by port, and each port can be named with the computer name, simplifying equipment identification. Similarly, the IP connection supports one active user and fifteen password protected user accounts with user or administrator roles and keeps an event log for added security.

The 17" LCD KVM Drawer includes a 17" TFT LCD color display, a full size keyboard with separate number pad and an integrated touchpad. It features a laptop-style design where the keyboard and panel are hinged, and the LCD panel pivots open. Both US and UK keyboard layouts are available. The display supports a wide range of resolutions to match most PC, MAC, SUN, IBM, HP and Dell computers.

Features:

- Rack-mount IP KVM (keyboard, video, mouse) switch
- For 19"EIA cabinets, uses only 1U of rack-mount space
- Connect 16 computers through one set of peripherals or IP connection
- Multi-platform switch, supports VGA video connection and PS/2 or USB keyboard and mouse connections
- Easy switching between computers with buttons, hotkeys or on-screen display
- Password protected access and eight user accounts
- LEDs to indicate computer connections
- Expand by connecting up to seven additional standalone KVM expansion switches to access 128 computers from a single set of peripherals
- Also available with an integrated 17" LCD KVM Drawer
- Drawer available in single rail model with US or UK keyboard layouts

Note: Connect the IP KVM Switch with DB15 ports to each computer with a Combo KVM Cable, or expand the number of ports by connecting another switch with a Cascade Cable. Each switch has 16 DB15 computer ports and one DB15 cascade expansion port.

Combo KVM Cables feature a VGA video connection and combination PS/2 or USB keyboard and mouse connections, so one type of cable connects all types of equipment. Order cables separately: one Combo KVM Cable per computer and one Cascade Cable per expansion switch.

Part Number		Description	Shipping Weight lb (kg)
US Keyboard	UK Keyboard		
37209-261	37209-262	Single Rail, 17" LCD KVM Drawer and IP Switch, 16 DB15 ports, 1 IP Console	53 (24.1)
IP KVM Switch			
37212-260		IP KVM Switch, 16 DB15 ports, 1 Local, 1 IP Console	10 (4.5)
Expansion Switch			
37202-160		Analog KVM Switch, 16 DB15 ports, 1 Local, no IP Console	10 (4.5)

IP KVM SWITCH–DB15 PORTS

Specifications:
- Rack-mount 16-port IP KVM switch
- For indoor use only, in environmentally controlled areas; may not be used outdoors, in harsh environments or in air-handling spaces
- Dimensions:
  - Switch: 1U x 19"EIA, 1.73"H x 17.6"W x 7.1"D (44 mm x 446 mm x 180 mm)
  - Drawer: 1U x 19"EIA, 1.73"H x 17.4"W x 25.6"D (44 mm x 442 mm x 650 mm)
- KVM Ports:
  - (16) DB-15 combo connector
  - Requires Combo KVM Cables (P/N 37208-161,-111), ordered separately
- KVM Management:
  - Multilingual OSD: English, French, German, Spanish, Italian, Russian, Simplified Chinese, Japanese
  - Hotkeys: Scroll-lock, Cap-lock, Num-lock, Alt, Ctrl & Win
  - Security: Password enable and disable, up to eight user profiles for port access
  - PC Selection: Front button, OSD menu, hotkey
- IP Console:
  - (1) RJ45 (8P8C) Ethernet, 10/100 Mbps
  - (1) RJ45 serial
  - (1) USB
- IP Security:
  - SSL v 3, RSA, AES, CSR, http & https Internet access
  - Fifteen user profiles (one active user)
- KVM Expansion:
  - Up to 128 servers by eight level cascade
  - Requires a Cascade Cable (P/N 37208-162), order separately
- KVM Compatibility:
  - Multi-platform: PC, MAC, SUN, IBM, HP and Dell
  - Support: Windows Vista/2003/XP/2000, Linux, Netware, Unix
- Drawer:
  - 17" LCD monitor with TFT color display
  - US or UK keyboard layout, integrated touchpad

- KVM port status LEDs and buttons
- Display specifications
  - Brightness (cd/m²): 250
  - Color Support: 16.7 M
  - Contrast Ratio (typ.): 1000:1
  - Viewing Angle (H/V): 160° x 160°
  - Display Area (mm): 338 x 270
  - Tr Response Time (ms): 1.3
  - LCD Panel MTBF (hrs): 50,000
  - VGA Signal Input: Analog RGB, 0.7Vp-p
  - Sync. Type: Separate H/V, Composite, SOG
- Supports Screen Resolutions:
  - 720 x 400, 70 Hz
  - 640 x 480, 60/70/72/75 Hz
  - 800 x 600, 60/70/72/75 Hz
  - 1024 x 768, 60/70/75 Hz
  - 1152 x 864, 60/70/75 Hz
  - 1280 x 1024, 60/70/72/75 Hz
- Electrical:
  - Power Input: Auto-sensing 100 to 240 VAC, 50/60 Hz
  - Power Consumption: Max. 24 Watt, Standby 5 Watt
  - Power Inlet: (1) IEC60320 C-14
- Environmental:
  - Operation: 32-122°F (0-50°C)
  - Storage: 23-140°F (-5-60°C)
- Regulation Approval:
  - FCC, CE (all)
- Select models are UL Listed: FIle E212076; Category NWGQ (US), Information Technology Equipment including Electrical Business Equipment (P/Ns 37209-261 and 37209-262).
- Includes Rack/Cabinet Mounting Brackets:
  - Switch: Requires front only support
  - Drawer: Requires front and rear support, maximum rail depth is 35.5"(900 mm)
- Includes Cables:
  - (1) 6'L (1.8 m) IEC60320 C-13 to NEMA 5-15P power cord
- Finish: Black only

System Diagram:

Front view: 17" LCD KVM Drawer & IP Switch
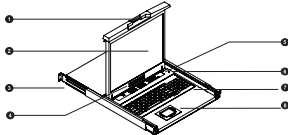
1. Carry handle to release the 2-pt lock
2. 17" LCD TFT display panel
3. Rack-Mount Rails
4. LCD Adjustment Buttons
5. KVM Switch Adjustment Buttons
6. Micro switch for screen auto power off
7. Keyboard
8. Touchpad
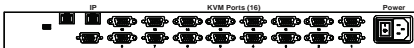
Back view: P/N 37209-261, 37209-262 – no local console (drawer is local console), no remote console, 1 IP console, 16 DB15 server connections, 1 DB15 cascade connection (use Cascade Cable P/N 37208-162)

Front view: IP KVM Switch

LED indicators for connection and active port and buttons to manually switch port
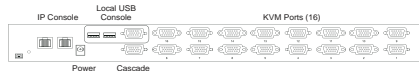
Back view: P/N 37212-260 – 1 local console, no remote console, 1 IP console, 16 DB15 server connections, 1 DB15 cascade connection (use Cascade Cable P/N 37208-162)

TTechnical Data Sheet and User Manual illustrate cable diagrams. Go to www.chatsworth.com/products/KVM-systems to download.

IP KVM Switch with Cat 5/6 Ports

The IP KVM Switch with Cat 5/6 computer ports provides multi-user access to 16 or 32 computers from local console, a remote console or over the Ethernet using a Java-enabled web browser. The IP KVM Switch is an excellent solution for IT staff that require both local and remote access to equipment. It features a 16-port or 32-port IP switch that can be expanded with up to seven additional switches to connect up to 256 computers through the local and remote console and a single IP address.

The IP KVM Switch with Cat 5/6 ports features multiple user interfaces: the local console, a remote console to connect to another computer located on site and one or two IP connections accessed through the network using a Java-enabled web browser. Expansion switches are also available without IP connections. The local and remote consoles support eight password protected user accounts for added security. Individual user access can be assigned by port, and each port can be named with the computer name, simplifying equipment identification. Additionally, LEDs, which indicate port connection status and buttons that allow manual switching between computers, are on the front panel or the keyboard tray. Similarly, each IP connection supports one active user and fifteen password protected user accounts with user or administrator roles and keeps an event log for added security.

The 17" LCD KVM Drawer and IP Switch includes a 17" TFT LCD color display, a full size keyboard with number pad and an integrated touchpad. The display supports a wide range of resolutions to match most PC, MAC, SUN, IBM, HP and Dell computers.

37205-361, 17" LCD KVM Drawer and IP Switch with Cat 5/6 ports

IP KVM Switch with Cat 5/6 ports. Available in 16-or 32-port models

Features:

- Rack-mount IP KVM (keyboard, video, mouse) switch
- For 19"EIA cabinets, uses only 1U of rack-mount space
- Access 16 or 32 computers through one set of peripherals, a remote console or an IP network
- Multi-platform switch, supports VGA video connection and PS/2 or USB keyboard and mouse connections
- Easy switching between computers with buttons, hotkeys or on-screen display
- Password protected IP access, 15 user accounts, assign administrator or user roles, select models support two simultaneous users
- LEDs to indicate computer connections
- Expand by connecting up to eight switches together to access 128 or 256 computers from a single set of peripherals, a remote console or the IP connection
- Also available with an integrated 17" LCD KVM Drawer
- Drawer available in single or dual rail models with US or UK keyboard layouts

Note: The IP KVM Switch with Cat 5/6 computer ports uses Cat 5/6 UTP cables to connect to servers instead of proprietary signal cables, which means higher port density on the switch and servers can be located farther away from the switch. A dongle, ordered separately, is used on the computer end to make the keyboard, video and mouse connections.

IP KVM SWITCH-CAT 5/6 PORTS

17" LCD KVM Drawer and IP Switch

IP Switch with Cat 5/6 Ports

Part Number		Description	Shipping Weight lb (kg)
US Keyboard	UK Keyboard		
37205-361	37205-362	Single Rail, 17" LCD KVM Drawer and IP Switch, 16 Cat 5/6 ports, 1 Remote, 1 IP Console	50 (22.7)
37205-421	37205-422	Single Rail, 17" LCD KVM Drawerr and IP Switch, 32 Cat 5/6 ports, 1 Remote, 2 IP Consoles	53 (24.1)
37206-361	37206-362	Dual Rail, 17" LCD KVM Drawer and IP Switch, 16 Cat 5/6 ports, 1 Remote, 1 IP Console	50 (22.7)
37206-421	37206-422	Dual Rail, 17" LCD KVM Drawer and IP Switch, 32 Cat 5/6 ports, 1 Remote, 2 IP Consoles	53 (24.1)
IP KVM Switch with CAT 5/6 Ports			
37207-360		IP KVM Switch, 16 Cat 5/6 ports, 1 Local, 1 Remote, 1 IP Console	9 (4.1)
37207-420		IP KVM Switch, 32 Cat 5/6 ports, 1 Local, 1 Remote, 2 IP Consoles	12 (5.5)
Expansion Switch			
37210-260		Analog KVM Switch, 16 Cat 5/6 ports, 1 Local, 1 Remote, no IP Console	8 (3.6)
37210-220		Analog KVM Switch, 32 Cat 5/6 ports, 1 Local, 1 Remote, no IP Console	12 (5.5)

Specifications:

- Rack-mount 16-port or 32-port IP KVM (keyboard, video, mouse) Switch with Cat 5/6 ports
- For indoor use only, in environmentally controlled areas; may not be used outdoors, in harsh environments or in air-handling spaces
- Dimensions:
  - Switch: 1U x 19"EIA, 1.73"H x 17.6"W x 7.1"D (44 mm x 446 mm x 180 mm)
  - Drawer: 1U x 19"EIA, 1.73"H x 17.4"W x 25.6"D (44 mm x 442 mm x 650 mm)
- KVM Ports:
  - (16) or (32) RJ45 (8P8C) connectors
  - Use Cat6 or Cat5 cable for server connections, up to 132 ft (40 m)
  - Requires VGA-USB dongle (P/N 37208-103) or VGA-PS/2 dongle (P/N 37208-104) to connect computers
- KVM Management:
  - Multilingual OSD: English, French, German, Spanish, Italian, Russian, Simplified Chinese, Japanese
  - Security: Password enable and disable, up to 8 user profiles for port access
  - PC Selection: Front button, OSD menu, hotkey
- IP Console:
  - (1) or (2) RJ45 Ethernet
  - (1) or (2) RJ45 serial
  - (1) or (2) USB
- IP Security:
  - SSL v3, RSA, AES, CSR, http & https internet access
  - Fifteen user profiles (one active user) per IP Console

- Remote Console:
  - (1) RJ45
  - Use Cat6 or Cat5 UTP cable for server connection, up to 500 ft (150 m)
  - Includes remote receiver, Combo KVM Cable for remote computer, and power supply
- KVM Expansion:
  - 16-port models: up to 128 servers by eight level cascade
  - 32-port models: up to 256 servers by eight level cascade
  - Requires Cascade Cable (P/N 37208-165), ordered separately
- KVM Compatibility:
  - Multi-platform: PC, MAC, SUN, IBM, HP and Dell
  - Support: Windows Vista/2003/XP/2000, Linux, Netware, Unix
- KVM Drawer
  - 17" LCD monitor with TFT color display
  - US or UK keyboard layout, integrated touch pad
  - KVM port status LEDs and buttons
- Display specifications:
  - Brightness (cd/m²): 300 (single), 250 (dual)
  - Color Support: 16.7 M
  - Contrast Ratio (typ.): 1000:1
  - Viewing Angle (H/V): 160° x 160°
  - Display Area (mm): 338 x 270
  - Tr Response Time (ms): 1.3
  - LCD Panel MTBF (hrs): 50,000
  - VGA Signal Input: Analog RGB, 0.7Vp-p
  - Sync. Type: Separate H/V, Composite, SOG

- Supports Screen Resolutions:
  - 720 x 400, 70 Hz
  - 640 x 480, 60/70/72/75 Hz
  - 800 x 600, 60/70/72/75 Hz
  - 1024 x 768, 60/70/75 Hz
  - 1152 x 864, 60/70/75 Hz
  - 1280 x 1024, 60/70/72/75 Hz
- Electrical:
  - Power Input: Auto-sensing 100 to 240 VAC, 50/60 Hz
  - Power Consumption: Max. 24 Watt, Standby 5 Watt
  - Power Inlet: (1) IEC60320 C-14
- Environmental:
  - Operation: 32-122°F (0-50°C)

- Storage: 23-140°F (-5-60°C)
- Relative Humidity: 90%, non-condensing
- Shock: 50G acceleration (11 ms, half-sine wave)
- Vibration: 58-100Hz / 0.98G (11 ms / cycle)
- Regulation Approval:
  - FCC, CE
- Includes Rack/Cabinet Mounting Brackets:
  - Switch: Requires front only support
  - Drawer: Requires front and rear support, maximum rail depth is 35.5" (900 mm)
- Included Cables:
  - (1) 6'L (1.8 m) IEC60320 C-13 to NEMA 5-15P power cord
- Finish: Black only

System Diagram:

Front view: 17" LCD KVM Drawer & IP Switch - 16-Port and 32 Port:
   16 Port P/Ns: 37205-361, 37205-362, 37206-361, 37206-362
   32 Port P/Ns: 37205-421, 37205-422, 37206-421, 37206-422
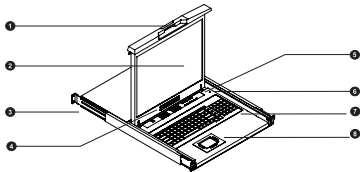
1. Carry handle to release the 2-pt lock
2. 17" LCD TFT display panel
3. Rack-Mount Rails
4. LCD Adjustment Buttons
5. KVM Switch Adjustment Buttons
6. Micro switch for screen auto power off
7. Keyboard
8. Touchpad

Back view – P/N 37205-361, 37205-362, 37206-361, 37206-362 – no local console (drawer is local console), 1 remote console, 1 IP console, 16 RJ45 (8P8C) server connections, 1 cascade connection (use Cascade Cable P/N 37208-165)
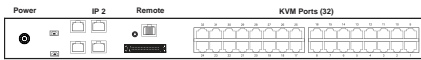
Back view – P/N 37205-421, 37205-422, 37206-421, 37206-422 – no local console (drawer is local console), 1 remote console, 2 IP consoles, 32 RJ45 (8P8C) server connections, 1 cascade connection (use Cascade Cable P/N 37208-165)

Technical Data Sheet and User Manual illustrate cable diagrams. Go to www.chatsworth.com/products/KVM-systems to download.

Front view: IP KVM Switch- 16-Port:

37207-360, 37210-260 — LED indicators for connection, local and remote active ports and buttons to manually switch ports
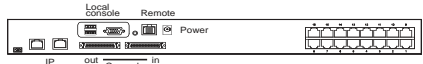
Back view : P/N 37207-360 – 1 local console, 1 remote console, 1 IP console, 16 RJ45 (8P8C) server connections, 1 cascade connection (use Cascade Cable P/N 37208-165)
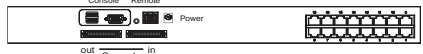
Back view: P/N 37210-260 (Expansion switch) – 1 local console,   1 remote console, No IP console, 16 RJ45 (8P8C) server connections, 1 cascade connection (use Cascade Cable P/N (37208-165).

Front view: IP KVM Switch- 32-Port:

P/N 37207-420, 37210-220 — LED indicators for connection, local and remote active ports and buttons to manually switch ports
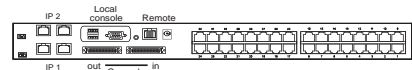
Back view: P/N 37207-420 – 1 local console, 1 remote console, 2 IP consoles, 32 RJ45 (8P8C) server connections, 1 cascade connection (use Cascade Cable P/N 37208-165)
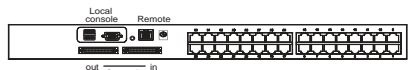
Back view: P/N 37210-220 (Expansion switch) – 1 local console, 1 remote console, no IP console, 32 RJ45 (8P8C) server connections, 1 cascade connection (use Cascade Cable P/N 37208-165).

KVM SWITCH ACCESSORIES

37208-161

37208-162

37208-103

37208-165

Note: Use the VGA-USB dongle (P/N 37208-103) with server computers that have a VGA video and USB mouse and keyboard connectors. The VGA-USB dongle is also available in a pack of eight (P/N 37208-803) or a pack of 16 (P/N 37208-603).

Use the VGA-PS2 dongle (P/N 37208-104) with server computers that have a VGA video and PS/2 keyboard and mouse connectors. The VGA-PS2 dongle is also available in a pack of eight (P/N 37208-804) or a pack of 16 (P/N 37208-604).

Combo KVM Cables for KVM Switches with DB15 Ports

Use Combo KVM Cables to attach computers to the KVM Switch with DB15 ports. Each cable can connect one computer with PS/2 or USB keyboard and mouse connections. The cable has a combination DB-15 connector on the switch end and three breakout cables on the other end for computer connections. The breakout side includes one HD-15 connector for VGA video, one PS/2 connector and one USB connector. The system includes a USB-to-PS/2 converter for systems with PS/2 keyboard and mouse.

Cascade Cable for KVM Switches with DB15 Ports

Use the Cascade Cable to connect two switches together for expansion. Computers connected to both switches will be viewed through one set of peripherals. Each Cascade Cable has a combination DB-15 connector on each end.

IP KVM Cable Dongles for KVM Switches with Cat 5/6 Ports

Use IP KVM Cable Dongles to connect computers to the IP KVM Switch Cat 5/6 ports with Cat 5/6 cables (ordered separately). The dongle has an RJ45 (8P8C) connector for the Cat 5/6 cable from the switch on one end and computer video, keyboard and mouse connectors on the other end. Select the dongle to match keyboard and video connection: USB or PS/2.

Cascade Cable for KVM Switches with Cat 5/6 Ports

Use the Cascade Cable to connect two switches together for expansion. Computers connected to both switches will be viewed through one set of peripherals, the remote console or the IP connection on the first switch.

Part Number	Description Length ft (m)	Shipping Weight lb (kg)
KVM with DB15 Ports		
37208-161	Combo KVM Cable, 6'L (1.8 m)	3 (1.4)
37208-111	Combo KVM Cable, 10'L (3.0 m)	3 (1.4)
37208-861	Combo KVM Cable, 6'L (1.8 m), Pack of 8	5 (2.3)
37208-811	Combo KVM Cable, 10'L (3.0 m), Pack of 8	7 (3.2)
37208-661	Combo KVM Cable, 6'L (1.8 m), Pack of 16	8 (3.6)
37208-611	Combo KVM Cable, 10'L (3.0 m), Pack of 16	12 (5.4)
37208-621	Combo cables, 10 each 6'L (1.8 m) and 6 each 10'L (3.0 m)	12 (5.4)
37208-162	Cascade Cable, 6'L (1.8 m)	3 (1.4)
KVM with Cat 5/6 Ports		
37208-103	Cable Dongle, VGA-USB	3 (1.4)
37208-803	Cable Dongle, VGA-USB, Pack of 8	4 (1.8)
37208-603	Cable Dongle, VGA-USB, Pack of 16	7 (3.2)
37208-104	Cable Dongle, VGA-PS/2	3 (1.4)
37208-804	Cable Dongle, VGA-PS/2, Pack of 8	4 (1.8)
37208-604	Cable Dongle, VGA-PS/2, Pack of 16	7 (3.2)
37208-165	Cascade Cable, 6'L (1.8 m)	3 (1.4)

ENVIRONMENTAL MONITORING & SECURITY SYSTEMS

ENVIRONMENTAL MONITORING & SECURITY SYSTEMS

With all the attention given to virtual security threats like hacking and viruses, you do not want to be concerned about a security breach at the cabinet level as well. CPI's Environmental Monitoring and Security Systems offer an array of products that keep an eye on everything from temperature and moisture, to physical movement in the equipment room and unauthorized access to the cabinet door. Many of these products can also be directed into CPI's Remote Infrastructure Management System, allowing much of your data center's security, safety and functionality to be monitored remotely at any time of day.

Remote Infrastructure Management (RIM-600)
• Remotely monitor, record and analyze environmental conditions in data centers and equipment rooms
• Support up to eight external sensors per Host or Node Module
• Monitor all sensors from one user interface using included software
• Automatically poll up to 64 IP address from each module

An IP addressable, multi-cabinet Electronic Locking System is also available for the F-Series TeraFrame Cabinet System. Contact CPI Technical Support for system configuration assistance

Patented

CE

RIM-600 Host Module

RIM-600 Node Module

The RIM-600 has three internal sensors (Power, Sound, Battery) and supports up to eight external sensors that monitor:
• Room temperature (F° or C°)
• Cabinet temperature (F° or C°)
• Presence of water
• Humidity
• Smoke
• Power
• Motion
• Door open or closed
• Normally Open/Normally Closed Dry Contact Bridge
• 4-20 mA Bridge
• Dual door sensor for cabinets

Remote Infrastructure Management (RIM-600)

The Remote Infrastructure Management (RIM-600) System gives you the ability to remotely monitor, record and analyze environmental security and safety conditions in your data center and equipment rooms. Each RIM-600 Host or Node supports up to eight external sensors and will automatically poll up to 64 IP addresses per module using a scheduled network ping and port service tests (HTTP, FTP, email). No special wiring is required.

Connect up to 31 Nodes to each Host through your network, and monitor up to 256 environmental sensors and 2,048 IP addresses and ports anywhere in your network. Additionally, one PowerGate Module can be connected to each Host or Node Module to provide remote reboot capability for up to 256 outlets.
• Includes Ethernet and phone connection
• Includes battery backup and non-volatile data storage so you do not lose monitoring capability if the power goes out
• Sensors are attached using standard Cat5 cable with RJ-45 connectors; sensors are automatically recognized and configured when connected
• Set limits and be notified by voice call (with custom messages), pager, email, fax or SNMP trap
• Supports 64 users with eight contact points each; schedule the method of contact for each user by time of day
• Check status by voice dial-in, Website, network log-in, SNMP get/set and two-way email
• Host is shipped complete with User Manual, ConsoleView Software and null modem serial cable
• Certified by a NRTL to comply with UL Standard 60950 C22.2 No. 60950; International models are CE Marked

Part Number	Description	Shipping Weight lb (kg)
60000-001	Host, 100-250 VAC, 50-60 Hz	14 (6.4g)
60000-102	International Host, 100-250 VAC, 50-60 Hz, shipped without Power Cord	14 (6.4)
60001-001	Node, 120 VAC, 60 Hz	7 (3.2)
60001-002	Node, 100-240 VAC, 50-60 Hz	7 (3.2)
60001-102	International Node, 100-240 VAC, 50-60 Hz, shipped without Power Cord	7 (3.2)
60075-001	Wall-Mount Kit	2 (0.9)

Note: Host Module includes users manual and configuration software CD. Host Module 60000-001 has IEC-60320, C-14 power inlet and includes a detachable power cord with a NEMA 5-15P plug. Node Module 60001-002 includes an auto sensing power transformer with an IEC-60320, C-14 power inlet and includes a detachable power cord with NEMA 5-15P plug.

See following pages for sensor information.

RIM-600 MODULES AND BUNDLE SOLUTION

60045-001

60046-001

PowerGate Modules

PowerGate Modules allow you to remotely control/reset/recycle individual power outlets. Input power is rated at 120 VAC, 15A. Outputs vary as listed below.

- Each PowerGate includes a null modem cable for connection to a Host/Node Module
- Program with RIM-600 to trigger on/off with alarms

Part Number	Description Length ft (m)	Shipping Weight lb (kg)
60045-001	PowerGate, (1) Power Input Connection, (8) Outlets, max 12A	14 (6.4)
60046-001	PowerGate 2, (9) IEC C-14 Power Input Connections, (8) Outlets (channel 1 & 5 rated at 10A max, all other channels rated at 4A max)	14 (6.4)
60078-010	PowerGate 2 Power Cord, IEC to NEMA 5-15P, 10 (3)	1 (0.5)

RIM-600 Host Module shown

RIM-600 Remote Environmental Monitoring Bundle

Remotely monitor, record and analyze environmental conditions in your data center and equipment rooms by using this starter bundle kit.

- Monitor room and cabinet conditions for up to four cabinets
- Includes a RIM-600 Host Module, Temperature and Humidity Sensors, Patch Cords and Installation Hardware
- Supports up to 8 external sensors
- Automatically poll up to 64 IP addresses using a scheduled networking ping and port service tests
- Expandable up to 256 external sensors with the addition of RIM-600 Nodes
- Add on with optional sensors; Motion Detector, Smoke Detector, Water Detector, Door Open/Close and PowerGate Modules.

Part Number	Description Length - ft (m)	Shipping Weight lb (kg)
F600-0*	**Each F600-0 Bundle consists of:** (1) 60000-001, RIM-600 Host Module (3) 60012-007, Mini-Temperature Sensors with attached 7 (2.1) cable (1) 60030-001, Humidity Sensor (1) 60011-001, Temperature Sensor with Display (°F) (1) 60075-710, Rack-Mount Bracket (4) 60070-007, Network Patch Cord, RJ-45, 7 (2.1) (1) 60074-001, Coupler Kit, RJ-45 (1) User Manual, ConsoleView Software and null modem cable	25 (11.3)

Order F600-1 for International configurations with °C temperature sensors and shipped without power cord.

Room Temperature Sensors

60011-001 shown

- Humidity: 5% to 90% RH
- Sensor type: solid state IC
- Accuracy: ± 3°
- Connection: RJ-45
- Housing: white plastic
- Mounting: wall, flat surface or single-gang box
- Indoor use only
- Display: digital, two-digit (select models)

Room Temperature Sensors		
Part Number	Description	Shipping Weight lb (kg)
60010-001	Range 5°F to 122°F, No Display	1 (0.5)
60010-002	Range -15°C to 50°C, No Display	1 (0.5)
60011-001	Range 32°F to 95°F, With Display	1 (0.5)
60013-001	Range 0°C to 50°C, With Display	1 (0.5)

Note: Use bracket 60075-710 for rack-mounting.

Miniature Temperature Sensor

- Humidity: 5% to 90% RH
- Sensor type: solid state IC
- Available preset to °F or °C
- Accuracy: ± 3°
- Connection: RJ-45, includes attached 7'L (2.1 m) cable
- Housing: black plastic
- Mounting: flat surface
- Size: 1.4"H x 2.2"W x .6"D (36 mm x 56 mm x 15 mm)
- Indoor use only, no display

Miniature Temperature Sensor		
Part Number	Description	Shipping Weight lb (kg)
60012-007	Range 5°F to 140°F	1 (0.5)
60012-057	Range -15°C to 60°C	1 (0.5)

Humidity Sensor

60031-001 shown

- Range of measurement: 0-100% RH
- Temperature: 32°F to 122°F (0°C to 50°C)
- Accuracy: ± 5%
- Connector: RJ-45
- Housing: white plastic
- Mounting: wall, flat surface
- Indoor use only, no display

Humidity Sensor, With Display

- Range of measurement: 5-95% RH
- Temperature: 32°F to 158°F (0°C to 70°C)
- Accuracy: ± 3%
- Connector: RJ-45
- Housing: white plastic
- Mounting: wall, flat surface or single-gang box
- Indoor use only
- Display: digital, two-digit

Humidity Sensor		
Part Number	Description	Shipping Weight lb (kg)
60030-001	Humidity Sensor, No Display	1 (0.5)
60031-001	Humidity Sensor with Display	1 (0.5)

Note: Use bracket 60075-710 for rack-mounting.

Water Detection Sensor

- Sensing method: conductivity
- Sensor: polymer core cable with sensing wire, 10'L (3 m)
- Connector: RJ-45 (daisy chain up to three sensors running off of (1) RIM-600 port)
- Housing: black plastic with mounting ears

Water Detection Rope, 10'L (3 m)

- Extend the reach of the water detection sensor
- Add up to 10 ropes, 100' (30.5 m) in-line with each Water Detection Sensor

Water Detection Sensor		
Part Number	Description Length ft (m)	Shipping Weight lb (kg)
60032-010	Water Detection Sensor with 10 (3) Water Detection Rope	1 (0.5)
60072-001	Additional 10 (3) Water Detection Rope	1 (0.5)

Note: Use panel 60075-720 for rack-mounting.

RIM-600 SENSORS

Smoke Detector
- Sensitivity: 2.0 ± .37% to .39% /ft
- Contact Rating: 2 Amp, 28 VDC or 120 VAC resistive
- Heat Sensor rating: Fixed 135°F (57°C) rate of rise >15°F/min. (8.3°C/min)
- Operating voltage: 8.5 VDC to 33 VDC, 10% maximum ripple
- Maximum ambient temperature: 100°F (37.8°C)
- Power-up time: 15 seconds
- Housing: white plastic, 6.1" (155 mm) diameter x 1.9"H (48 mm)
- Mounting: wall, flat surface or single-gang box

Smoke Detector		
Part Number	Description Length ft (m)	Shipping Weight lb (kg)
60062-007	Smoke Detector with 7 (2.1) Cable	3 (1.4)

Motion Sensor
- Sensing method: infrared
- Sensor: passive, dual-element
- Connector: RJ-45; includes 7'L (2.1 m) cord
- Housing: white plastic
- Adjustments for sensitivity, LED display and Pulse count
- Indoor use only
- Mounting: flat surface

Motion Sensor		
Part Number	Description Length ft (m)	Shipping Weight lb (kg)
60061-007	Passive Infrared, with 7 (2.1) Cord	1 (0.5)

Normally Open/Normally Closed Dry Contact Bridge
Monitor a device equipped with a relay output that functions as an alarm. Senses a definite yes/no input from a normally open or normally closed output, and sends an alarm when the yes or no condition is sensed.
- Input: normally open or normally closed (switchable)
- Source/sense voltage: 14 VDC
- Source/sense current: 10 mA
- Connector: RJ-45
- Temperature: 32°F to 122°F (0°C to 50°C)
- Housing: black plastic with mounting ears
- Indoor use only, no display

Open/Closed Dry Contact Bridge		
Part Number	Description	Shipping Weight lb (kg)
60050-001	Dry Contact Bridge (N/O,N/C)	1 (0.5)

Note: Use panel 60075-720 for rack-mounting.

Door Open/Closed Sensor
- Single and dual door version
- Use dual door sensor for equipment cabinets
- Magnetic reed switch
- Connects to a Host or Node Module
- Single door sensor includes one door sensor, a 7'L (2.1 m) RJ-45 cable and a 25'L (7.6 m) sensor cable
- Dual door sensor includes two door sensors, a 7'L (2.1 m) RJ-45 cable and (2) 10'L (3 m) sensor cables (for cabinets)

Door Open/Closed Sensor		
Part Number	Description	Shipping Weight lb (kg)
60052-001	Door Sensor, Magnetic Reed	1 (0.5)
60052-002	Dual-Door Sensor, Magnetic Reed	1 (0.5)

4-20 mA Dry Contact Bridge

Monitor a maximum or minimum threshold (for example, the amount of fuel or water in a tank.) Senses a range of inputs from a corresponding 4-20 mA Transducer, and sends an alarm when a specific threshold is reached between 0% (4 mA) and 100% (20 mA).

4-20 mA Dry Contact Bridge		
Part Number	**Description**	**Shipping Weight lb (kg)**
60051-001	Dry Contact Bridge (4-20mA)	1 (0.5)

Note: Use panel 60075-720 for rack-mounting.

Power Monitoring Sensor

• Range: 0 VAC to 250 VAC, 50/60 Hz
• Accuracy: ± 2%
• Power connector: IEC-60320, C-14, power inlet
• Includes a 6'L (1.8 m) C-13 to NEMA 5-15P or C-13 to C-14 power cord
• Connector: RJ-45
• Housing: black plastic with mounting ears

Power Monitoring Sensor		
Part Number	**Description**	**Shipping Weight lb (kg)**
60040-001	Power Monitoring Sensor with C-13 to NEMA 5-15P Power Cord	1 (0.5)
60040-002	Power Monitoring Sensor with C-13 to C-14 Power Cord	1 (0.5)

Note: Use panel 60075-720 for rack-mounting.

60070-025

60074-001

60075-710

60088-002

60075-720

Cables And Accessories

Use patch cables to attach sensors to the RIM-600 Host and Node Module. Use null modem cables to attach PowerGate Modules to the RIM-600 Host and Node Modules. Optional mounting brackets let you attach sensors to 19" racks or cabinets.

Part Number	Description Length ft (m)	Shipping Weight lb (kg)
60070-007	Patch Cable, RJ-45, 7 (2.1)	1 (0.5)
60070-014	Patch Cable, RJ-45, 14 (4.3)	1 (0.5)
60070-025	Patch Cable, RJ-45, 25 (7.6)	1 (0.5)
60074-001	RJ-45 F/F Coupler Kit (4)	1 (0.5)
60071-006	Null Modem Cable, 6 (1.8)	1 (0.5)
60075-001	Host/Node Wall-Mount Kit	2 (0.9)
60075-710	Temp/Humidity Sensor Rack-Mount Bracket	1 (0.5)
60075-720	Sensor Mounting Panel, 1U x 19"W	2 (0.9)
60087-001	User Manual	1 (0.5)
60088-002	ConsoleView Software CD	1 (0.5)

GROUNDING & BONDING PRODUCTS
Busbar, Insulation Products, Tools & Accessories

GROUNDING & BONDING PRODUCTS

In response to the increase in newer, more sensitive, highly sophisticated electronic equipment, CPI offers a comprehensive line of UL® Listed Grounding and Bonding Products. The electrical protection and grounding of today's high-speed cabling systems is an essential part of a properly installed IT infrastructure, which is why CPI's Grounding and Bonding Products are designed to provide protection and help prevent transient voltages from damaging sensitive electronic equipment.

Stocked with a wide range of products spanning from grounding busbars and pipe clamps, to ground terminal blocks and ground strap kits, CPI is equipped to handle a full list of safety codes and standards.

CPI Grounding and Bonding Products feature:
- Comprehensive line of products that promote electrical safety throughout the network
- A complete bonding solution with grounding busbars, pipe and floor pedestal clamps, insulators, joint compound, compression tools and lugs/taps, as well as other equipment
- UL Listed and compliant with industry standards

13622-010: (4) Lugs, 5/8" (15.88 mm) hole centers
(3) Lugs, 1" (25.4 mm) hole centers
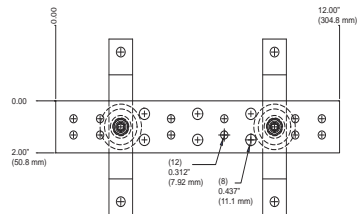
13622-012: (6) Lugs, 5/8" (15.88 mm) hole centers
(3) Lugs, 1" (25.4 mm) hole centers
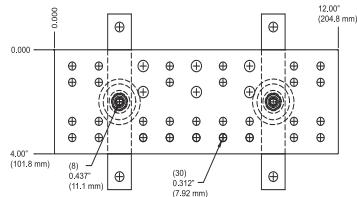
40153-012: (15) Lugs, 5/8" (15.88 mm) hole centers
(3) Lugs, 1" (25.4 mm) hole centers

BICSI & ANSI/EIA/TIA Grounding Busbars

The CPI 13622 series Telecommunications Grounding Busbar (TGB) provides a central ground attachment point for telecommunications systems, computers and other equipment located in the data room. The CPI 40153 series Telecommunications Main Grounding Busbar (TMGB) provides a central ground attachment point for telecommunications bonding backbones, equipment and the building's ground electrode system. All CPI Grounding Busbars are UL Listed.

Hole patterns on Busbars accommodate two-hole lugs per the recommendation of BICSI NECA/BICSI 607-2011 and TIA-607-B standards. Insulators electrically isolate Busbars from the wall or other mounting surfaces, thereby controlling the current path.
• Mounting brackets are manufactured from high-quality 300 series stainless steel with 3/8" (9.53 mm) diameter mounting holes spaced 5.75" (146.1 mm) apart
• Busbars mount on the wall, floor or ceiling
• Ships preassembled
• Sold individually
• UL Listed, File E236184, Category KDER (US), KDER7 (Canada)
• Busbar assemblies with lug kits also available
• Other configurations available on request

Each Busbar consists of:
• (1) Busbar
• (2) insulators
• (2) stand-off brackets
• (4) stainless steel bolts with Torx T-45 head
• Order installation hardware separately

Part Number	Description in (mm)	Busbar Size H x W x D in (mm)	Shipping Weight lb (kg)
13622-010	10 (250) TGB	2 x 10 x 1/4 (50 x 250 x 6.4)	3 (1.4)
13622-012	12 (300) TGB	2 x 12 x 1/4 (50 x 300 x 6.4)	4 (1.8)
40153-012	12 (300) TMGB	4 x 12 x 1/4 (50 x 100 x 6.4)	7 (3.2)
40153-020	20 (510) TMGB	4 x 20 x 1/4 (50 x 510 x 6.4)	8 (3.6)

Note: See details at left for lug sizes and quantities. Overall height with stand-off brackets is 6.63" (168 mm); overall depth is 3.13" (80 mm).
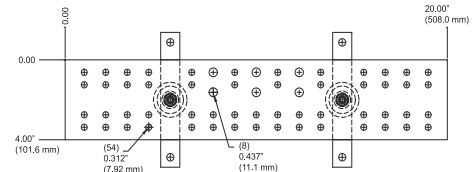
40153-020: (27) Lugs, 5/8" (15.88 mm) hole centers
(3) Lugs, 1" (25.4 mm) hole centers

CPI: 800-834-4969

10622-010

10622-012

10622-020

Standard Busbars

CPI Standard Busbars are insulated ground bus mounting plates specifically designed for commercial applications. The hard-drawn electrolytic tough pitch 110 alloy solid copper ground bars are 1/4" (6.4 mm) thick and stand off 2.75" (69.9 mm) from the backboard or wall. The 10" (250 mm) Busbar accepts 1/4" single bolt lugs. The 12" and 20" (300 mm and 510 mm) Busbars provide connection for nine or 17 lugs respectively, accepting lugs with either 3/4", 1" or 1-3/4" (19.1 mm, 25 mm or 44.5 mm) center. Any lug with 3/8" bolts may be used.

- All Busbars ship individually and preassembled
- Other configurations available on request
- UL Listed, File E236184; Category KDER (US), KDER7 (Canada)

Each Busbar assembly consists of:
- (1) Busbar
- (2) insulators
- (2) stand-off brackets
- (4) stainless steel bolts with Torx T-45 head
- Order installation hardware separately
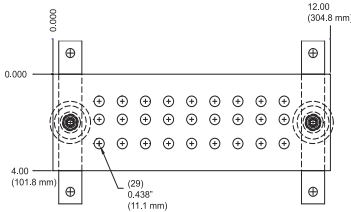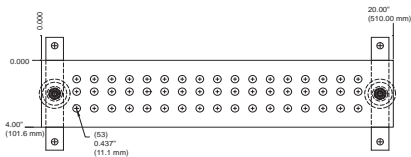
Part Number	Description	Size H x W x D in (mm)	Shipping Weight lb (kg)
10622-010	Busbar	4 x 10 x 1/4 (100 x 250 x 6.4)	4 (1.8)
10622-012	Busbar	4 x 12 x 1/4 (100 x 300 x 6.4)	5 (2.3)
10622-020	Busbar	4 x 20 x 1/4 (100 x 510 x 6.4)	8 (3.6)

Overall height with stand-off brackets is 6.63" (168 mm); overall depth is 3.13" (80 mm).
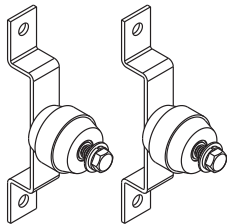
Busbar Insulator Assemblies

CPI also offers standalone Busbar Insulator Assemblies.
- Ships preassembled
- Replaces CPI P/N 13622-000

Pair of assemblies consists of:
- (2) stainless steel bolts, 3/8"W x 5/8"L
- (4) lock washers, 3/8"
- (4) flat washers, 3/8"
- (2) stainless steel bolts, 3/8"W x 3/4"L
- (2) insulators, 1-/34"W x 1-7/8"D, 3/8" threaded insert
- (2) stainless steel wall brackets, 1"W (25 mm), 1" standoff
- Order installation hardware separately

Sold in pairs

Part Number	Description	Shipping Weight lb (kg)
10622-000	Busbar Insulator Assemblies, 1 Pair	2 (0.9)
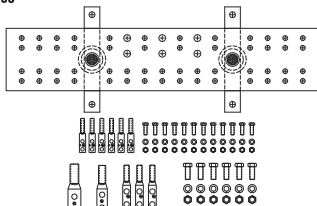
Busbar Assemblies With Lug Kits

Busbar Assemblies with Lug Kits contain the CPI 13622 series Telecommunications Grounding Busbar (TGB) or the CPI 40153 series Telecommunications Main Grounding Busbar (TMGB) along with required stainless steel hardware to fasten the two-hole ground lugs to the Busbar.
- #6 lugs are 2-hole lugs with 1/4" hardware
- #2, 2/0 and 4/0 lugs are 2-hole lugs with 3/8" hardware
- Order installation hardware separately
- UL Listed, File E236184, Category KDER (US), KDER7 (Canada) - Grounding and Bonding Equipment

40158-020 Shown

Part Number	Description	Busbar Size H x W x D in (mm)	#2 Lug	#6 Lug	2/0 Lug	4/0 Lug	Shipping Weight lb (kg)
40156-012	TGB Pattern	2 x 12 x 1/4 (50 x 300 x 6.4)	3 ea	6 ea	1 ea	0	5 (2.3)
40158-012	TMGB Pattern	4 x 12 x 1/4 (100 x 300 x 6.4)	3 ea	6 ea	1 ea	1 ea	8 (3.6)
40158-020	TMGB Pattern	4 x 20 x 1/4 (100 x 510 x 6.4)	3 ea	6 ea	1 ea	1 ea	11 (5.0)

Overall height with stand-off brackets is 6.63" (168 mm); overall depth is 3.13" (80 mm).

Horizontal Rack Busbar

Horizontal Rack Busbar for consolidating equipment grounds. Constructed of 3/16"-thick x 3/4"H (4.763 mm x 19.1 mm) hard-drawn electrolytic tough pitch 110 alloy copper bar with eight #6-32 tapped lug mounting holes on 1" (25.4 mm) centers and two pairs of 5/16" (7.938 mm) diameter holes spaced 3/4" (19.1 mm) apart for attaching ground jumpers.
- Other configurations available on request
- UL Listed, File E236184, Category KDER (US), KDER7 (Canada) - Grounding and Bonding Equipment

Part number consists of Busbar and a hardware kit that includes:
- (1) splice plate bar, 3"L (80 mm)
- (2) #12-24 copper machine screws
- (2) #12 copper flat washers
- (8) #6-32 copper machine screws
- (8) #6 ring terminals
- Order installation hardware separately

19" rack width Busbar shown

Shown mounted to rack

Part Number	Description	Rack Width (in)	Shipping Weight lb (kg)
10610-019	Horizontal Rack Busbar	19	2 (0.9)
10610-023	Horizontal Rack Busbar	23	3 (1.4)
10610-035	Horizontal Rack Busbar	35	4 (1.8)

BUSBARS

0.625"
(15.88 mm)

0.00

0.625"
(15.88 mm)

0.00

—0.00

—0.00

516 DIA
Threaded Stud
1.0" (30 mm)
O.C. Both Ends

1/4 - 20 (13)
Tap Sets
0.625"
(15.88 mm) O.C.

1/4 - 20 (8)
Tap Sets
0.625"
(15.88 mm) O.C.

Slot (3)
0.250" x 0.500"
(6.35 mm x 12.7 mm)

(4) 0.250" x 0.500"
(6.35 mm x 12.7 mm)

Threaded
Studs 1.0"
(30 mm) O.C.

72.00"
(1828.8 mm)

36.00"
(914.4 mm)
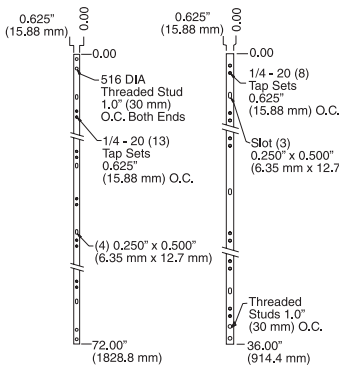
Vertical Rack Busbar

Vertical Rack Busbar for consolidating equipment grounds. Constructed of 5/8"H x 1/4"W (15.88 mm x 6.4 mm) hard-drawn electrolytic tough pitch 110 alloy copper bar with pairs of #1/4-20 tapped mounting holes on 5/8" (15.88 mm) centers. The 36"L (910 mm) bar has one set of #5/16 self-clinching studs on 1" (25.4 mm) centers at one end for attachment of a ground conductor. The 72"L (1830 mm) bar has two sets of #5/16 self-clinching studs on 1" (25.4 mm) centers at both ends for attachment of a ground conductor.
- Each package contains one Vertical Rack Busbar
- Vertical Rack Busbars with insulators and lug kits are also available
- Other configurations are available on request
- UL Listed, File E236184, Category KDER (US), KDER7 (Canada) - Grounding and Bonding Equipment

Part Number	Description H xW x D in (mm)	Number of Lugs	Shipping Weight lb (kg)
40160-036	5/8 x 1/4 x 36 (15.88 x 6.4 x 910)	8	4 (1.8)
40160-072	5/8 x 1/4 x 72 (15.88 x 6.4 x 1830)	13	5 (2.3)

Vertical Rack Ground Bar Kit

The Rack Ground Bar Kit includes a thin strip of tinned copper that attaches to the rack's equipment mounting rail to provide direct ground contact for rack-mount equipment or a convenient bonding strip. Sized to fit a 7' (2.1 m) high rack with an EIA-310-D Universal hole pattern and 45U, the ground bar is punched with a series of holes that align with each mounting hole on the rack. When equipment is mounted to the rack, the rack-mount brackets touch the ground bar. Alternately, the Equipment Ground Jumper Kit can be used to connect equipment to the grounding bar.
- Each kit includes one ground bar, three #12-24 zinc-plated thread forming hex washer head installation screws, an abrasive pad, joint compound and a ground label
- The ground bar is .05" (1.3 mm) thick tinned copper strip, 78.65"H x .68"W (1997 mm x 17 mm) and is punched with holes that match the EIA-310-D Universal Hole Pattern
- UL Listed Ground Bar, File E236184, Category KDER (US), KDER7 (Canada) - Grounding and Bonding Equipment

Part Number	Description	Shipping Weight lb (kg)
40172-001	Rack Ground Bar Kit	2 (0.9)
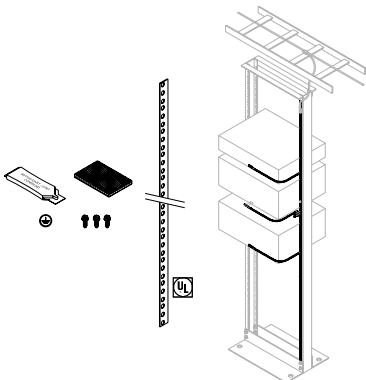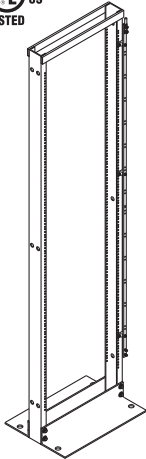
Shown mounted to rack

Vertical Rack Busbar Kits

Vertical Rack Busbar Kits isolate the Busbar from the rack to help control current paths from passing through one piece of equipment to another.
• Other configurations are available on request
• UL Listed, File E236184, Category KDER (US), KDER7 (Canada) - Grounding and Bonding Equipment

Kit consists of:
• (1) Vertical Rack Busbar
• (1) #2 AWG two-hole ground compression lug with 3/8" (9.53 mm) holes on 1" (25.4 mm) centers
• (3) white Delrin® insulator blocks
• (3) self-tapping screws
• (3) #12-24 mounting screws
• (2) stainless steel lock washers, 5/16"
• (2) nuts

Part Number	Description H x W x D in (mm)	Shipping Weight lb (kg)
40161-036	5/8 x 1/4 x 36 (15.88 x 6.4 x 910)	6 (2.7)
40161-072	5/8 x 1/4 x 72 (15.88 x 6.4 x 1830)	7 (3.2)

Shown mounted to rack

Rack Ground Jumper Kit

Rack Ground Jumper Kits serve as a rack bonding conductor for CPI's Universal Rack. CPI's Universal Racks include a location for attaching the Rack Ground Jumper Kit inside the rack's vertical equipment mounting channel. Order additional hardware as required to secure the other end of the jumper to the telecommunications equipment bonding conductor or directly to a telecommunications grounding busbar.

Kit consists of:
• 9'L (2.7 m) #6 AWG stranded copper conductor insulated green with a horizontal yellow stripe attached to a two-hole compression lug with 1/4" (6.35 mm) bolt holes spaced on 5/8" (15.88 mm) centers
• 1/4-20 zinc plated serrated flange hex nuts
• 0.5 oz (14 g) packet of aluminum antioxidant joint compound
• Constructed of UL Listed components, File E236184, Category KDER (US), KDER7 (Canada) - Grounding and Bonding Equipment
• Available individually or in packages of 10
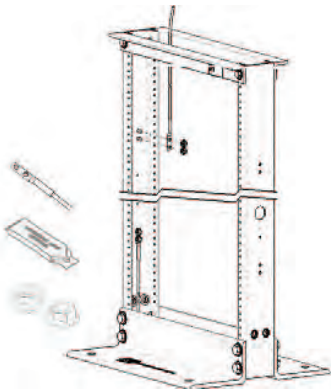
Part Number	Description H x W x D in (mm)	Shipping Weight lb (kg)
40159-008	Rack Ground Jumper Kit, 1 Each	2 (0.9)
40159-018	Rack Ground Jumper Kit, Pack of 10	12 (5.4)

Shown mounted between rack and Busbar

Rack Busbar Insulator Block

Rack Busbar Insulator Blocks provide rigid support to physically separate Rack Busbars from all sources of electrical energy. Its offset design securely attaches the Busbar using a #12 self-tapping screw while allowing unobstructed access to rack-mounted equipment. The Insulator Block has a #12 clearance hole for mounting to the rack.
• Made of durable, nonconductive white Delrin®
• Block measures 3/4"H x 11/16"W x 1-1/4"L
  (19.1 mm x 17.463 mm x 31.8 mm)

Part Number	Description	Shipping Weight lb (kg)
40157-001	Insulator Block, Each	1 (0.5)
40157-050	Insulator Block, Box of 50	2 (0.9)

Rack Base Insulator Kit

Rack Base Insulator Kits electrically isolate the racks from the floor for an effective grounding and bonding system. Made of .060" (1.52 mm) thick phenolic insulating material and accepts up to 1/2" diameter screws. Used on concrete floors, not needed for access floor applications.
Kit consists of:
• (2) isolation plates
• (4) isolation grommets
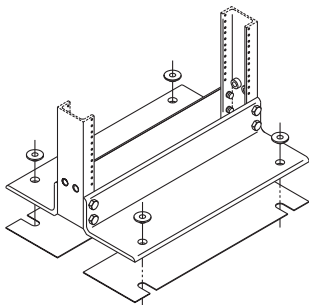
Part Number	Description	Shipping Weight lb (kg)
10605-019	Insulator Kit, 19" Rack	3 (1.4)
10605-023	Insulator Kit, 23" Rack	3 (1.4)

Cable Runway Insulator Bar Kit

Electrically isolates Cable Runway sections, isolating grounded sections of runway or where strong EMI/RFI fields could generate eddy-currents, which could disturb down-line equipment.
• Made of durable, nonconductive white Delrin®
• Available individually or in packages of 10
Kit consists of:
• (2) insulator bars, 1.5"H x 3/8"W x 5.5"L (38 mm x 9.53 mm x 140 mm)
• (2) butt-splice kits (P/N/ 11301-001)

Part Number	Description	Shipping Weight lb (kg)
10842-001	Insulator Bar Kit, 1 Kit	3 (1.4)
10842-010	Insulator Bar Kit, 10 Kits	25 (11.3)

10.8" / O.C. ±0.25
.625"
(15.88 mm)

Shown mounted
across
runway
splice point

Cable Runway Ground Strap Kit
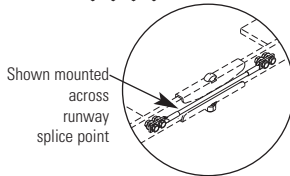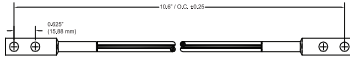
Cable Runway Ground Strap Kits provide a ground pathway between cable runway lengths when fastened together across splices. Installation requires drilling 5/16" holes. Ground Straps consist of an 8"L (200 mm) #6 AWG green insulated stranded copper conductor with horizontal yellow stripe attached at both ends to two-hole compression lugs with 1/4" bolt holes spaced on 5/8" (15.88 mm) centers.

• Overall length of 11" (280 mm)
• Available individually or in packages of 25
• Constructed of UL Listed components, File E236184, Category KDER (US), KDER7 (Canada) - Grounding and Bonding Equipment
• Replaces CPI P/N 12061-001
• Other configurations available on request

Kit consists of:
• (4) stainless steel cap screws, #1/4-20 x 3/4"L
• (4) flat washers, 1/4"
• (4) lock washers, 1/4"
• (4) nuts, 1/4"

Part Number	Description	Unit	Shipping Weight lb (kg)
40164-001	#6 AWG Ground Strap	1	1 (0.5)
40164-025	#6 AWG Ground Strap	25	12 (5.0)

c(UL)us
LISTED

0.28125"
(7.1438 mm)

0.625" O.C.
(15.88 mm)

Shown mounted
on rack
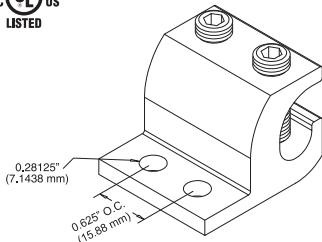
Two Mounting Hole Ground Terminal Block

CPI's Two Mounting Hole Ground Terminal Block provides a convenient way to attach ground wires to racks or cabinets and meets BICSI and ANSI-J-STD-607-A two-hole mounting recommendations. Constructed of extruded, high-strength aluminum and accepts conductors ranging from #14 AWG through 2/0. Includes two #3/8-24 x 7/8"L stainless steel set screws.

• Manufactured from electroplated tin aluminum
• Available individually or in packages of 10
• Mounting hardware not included
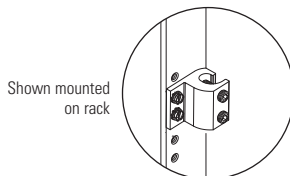
Part Number	Description	Unit	Wire Size	Shipping Weight lb (kg)
40167-001	Two-Hole Block	1	#14-2/0	1 (0.5)
40167-010	Two-Hole Block	10	#14-2/0	10 (4.5)
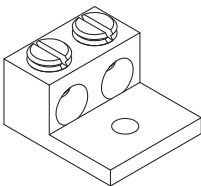
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One Mounting Hole Ground Terminal Block

CPI's traditional One Mounting Hole Ground Terminal Block provides a convenient way to attach ground wires to racks or cabinets using one #12-24 screw (not supplied). Holds up to two #4 gauge wires.

Zinc Plated

Part Number	Description	Unit	Wire Size	Shipping Weight lb (kg)
08009-001	One-Hole Block	1	Up to #4	1 (0.5)
08009-010	One-Hole Block	10	Up to #4	10 (4.5)

c(UL)us
LISTED
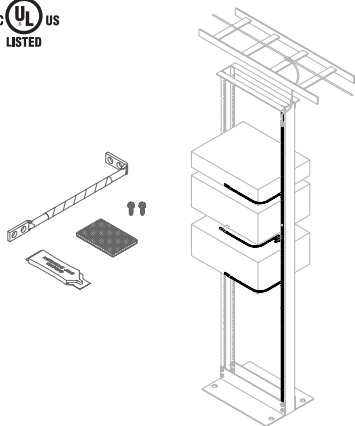
Equipment Ground Jumper Kit

Use the Equipment Ground Jumper Kit with the Vertical Rack Busbar Kit or Rack Ground Bar Kit to bond rack-mount equipment. The Equipment Ground Jumper Kit includes a 24"L (710 mm) insulated green/yellow helical stripe #6 AWG ground conductor with a Slotted Compression Lug on one end and a 90° Slotted Compression Lug on the other end. The 90° Slotted Lug attaches to the busbar or ground bar allowing easy alignment with equipment. The Slotted Compression Lug attaches to equipment. The kit includes an abrasive pad, antioxidant joint compound and two installation screws to prepare and secure the jumper to the busbar or ground bar. The installer must provide installation hardware for the lug that attaches to equipment.
• Each kit includes one 24"L (710 mm) insulated ground jumper with attached lugs, two plated installation screws, an abrasive pad and joint compound
• The lugs are made from electroplated tinned copper and have two mounting holes spaced .5" to .625" apart that accept 1/4" screws
• UL Listed Components, File E236184, Category KDER (US), KDER7 (Canada) - Grounding and Bonding Equipment

Part Number	Description	Shipping Weight lb (kg)
40159-010	Equipment Ground Jumper Kit	2 (0.9)

c(UL)us
LISTED

Ground Wire

Use Ground Wire to create custom-length ground jumpers to bond CPI Racks, Cabinets and Cable Runway to Telecommunications Grounding Busbars.
• Ground Wire is a #6 AWG, 133-strand, green insulated MTW conductor with a yellow helical stripe
• Sold in a 100' (30 m) length on a spool
• High strand count requires specific Compression Lugs (40162-913, 40162-963, 4012-914 or 40162-964)

Part Number	Description Length ft (m)	Shipping Weight lb (kg)
40159-001	Ground Wire, #6 AWG, 100 (30) Spool	14 (6.4)

0.935"
(15.88 mm)

9"

Shown mounted
on rack

Nylon

Aluminum
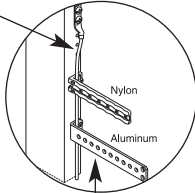
Ground Jumper

Ground Jumpers provide common grounding from equipment rack or cabinet to the Telecommunications Equipment Bonding Conductor. Can be used with CPI "L" Brackets (P/N 10001-001 or 10559-500) to attach cable run vertically along equipment rack or cabinet. Ground jumpers are constructed of a 9'L (2.7 m) #6 AWG stranded copper conductor insulated green with a horizontal yellow stripe attached to a compression lug with two 1/4" bolt holes spaced on 5/8" centers.

• Available individually or in packages of 10
• Constructed of UL Listed components, File E236184, Category KDER (US), KDER7 (Canada) - Grounding and Bonding Equipment
• Replaces CPI P/N 41016-00X and 41026-00X
• Other configurations available on request

Part Number	Description Length ft (m)	Unit	Shipping Weight lb (kg)
40159-009	9 (2.7) Green Jumper	1	2 (0.9)
40159-019	9 (2.7) Green Jumper	10	20 (9.1)
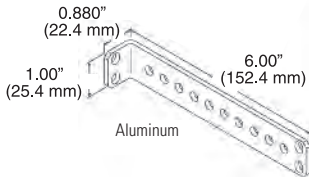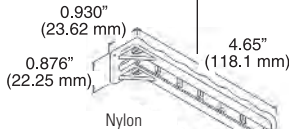
Stand-Off Tie-Down "L" Brackets

These "L" brackets mount to the back of the rack channel to provide a convenient tie-down point for grounding and bonding cable runs. Available in nonconductive nylon or high-strength aluminum construction. Either end of the aluminum bracket can be attached to the rack or cabinet face, allowing cable run in several different ways.

0.930"
(23.62 mm)

0.876"
(22.25 mm)

4.65"
(118.1 mm)

Nylon

0.880"
(22.4 mm)

1.00"
(25.4 mm)

6.00"
(152.4 mm)

Aluminum

Part Number	Description W x L in (mm)	Unit	Shipping Weight lb (kg)
10001-001	1 x 5 (30 x 130) White Nylon	1	1 (0.5)
10001-050	1 x 5 (30 x 130) White Nylon	50	3 (1.4)
10559-X00	1 x 6 (30 x 150) Aluminum	1	1 (0.5)
10559-X50	1 x 6 (30 x 150) Aluminum	50	5 (1.4)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black
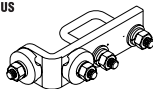
Cross Connector
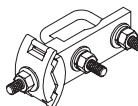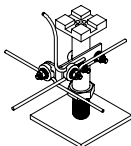
Straight Connector
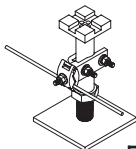
Pedestal Clamp with Ground Connector

Support ground wires from round or square raised floor pedestals using the Pedestal Clamp with Grounding Connector. The connector provides a ground connection for the pedestal and supports up to four wires from the pedestal. Use to create a signal reference grid under the raised access floor using #6 AWG or 2/0 bare round wire.

- Use Cross Connectors to create signal reference grid intersections; support up to four conductors, two per side, size #6 AWG or 2/0
- Use Straight Connectors to support the signal reference grid in between intersections; support one or two conductors on one side of the pedestal only, size #6 AWG or 2/0
- Manufactured from electrotin plated copper or bronze (P/N 40169-003) with stainless steel installation hardware
- PNs 40169-001 and 40169-002 are UL Listed, File E236184, Category KDER (US), KDER7 (Canada) - Grounding and Bonding Equipment

Part Number	Description	Pedestal Style, Diameter in (mm)	Number and Size of Connectors	Shipping Weight lb (kg)
40169-001	Pedestal Clamp, Cross Connector	Square, 1-1/8 (28) OD	(2) #6 AWG per side	2 (0.9)
40169-002	Pedestal Clamp, Cross Connector	Round, 1-1/8 (28) to 1-3/4 (44) OD	(1) #6 AWG and (1) 2/0 per side	2 (0.9)
40169-003	Pedestal Clamp, Straight Connector	Square or Round, 1-1/8 (28) OD	(2) #6 AWG or (2) 2/0 one side only	2 (0.9)

Note: P/N 40169-003 can support two conductors that are the same size; conductors can be #6 AWG through 2/0.
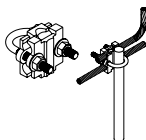
Pipe Clamp with Ground Connector

Support ground wires from metal pipes of various sizes with the Pipe Clamp with Grounding Connector. The connector provides a ground connection for the pipe and supports up to two wires parallel or perpendicular to the pipe. Select the Pipe Clamp with Grounding Connector to match the size of the pipe.

- UL Listed, File E236184, Category KDER (US), KDER7 (Canada) - Grounding and Bonding Equipment
- Supports one or two conductors; conductors must be the same size
- Use with conductors ranging in size from #6 up to 250 MCM
- Attach conductors parallel or perpendicular to the pipe
- Manufactured from electroplated tinned bronze with stainless steel hardware

Note: P/N 40170-001 supports parallel attachment of only one conductor or perpendicular attachment of two conductors. All other clamps support parallel or perpendicular attachment of two conductors. Conductors must be the same size.

Part Number	Description	Pipe Size / Diameter Ranges Nominal Size / Outside Diameter in (mm)		Shipping Weight lb (kg)
40170-001	Pipe Clamp	5-.75 (10-19)	.375-1 (9.5-30)	2 (0.9)
40170-002	Pipe Clamp	1-1.25 (30-31.8)	.75-1.7 (19-43)	2 (0.9)
40170-003	Pipe Clamp	1.5-2 (38-50)	1-2.4 (30-61)	2 (0.9)
40170-004	Pipe Clamp	2.5-3 (64-80)	2.25-3.5 (58-89)	2 (0.9)
40170-005	Pipe Clamp	3.5-4 (89-100)	3.2-4.5 (81-114)	2 (0.9)
40170-006	Pipe Clamp	5-6 (130-150)	5.63-6.63 (143-169)	2 (0.9)
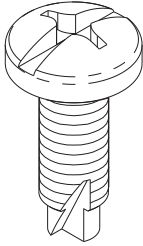
Clean-Thread Screws

The #12-24 Combination Pan Head, Pilot Point Mounting Screws attach equipment to racks and cabinets. A cutting notch in the thread removes paint in threaded holes to improve metal-to-metal contact. The pilot point reduces cross-threading. The combination head can be used with #3 Phillips and slotted screwdrivers.
• Zinc finish
• Available in packages of 50 and 1,000

Part Number	Description	Unit	Shipping Weight lb (kg)
40605-001	#12-24 Screws	50	1 (0.5)
40605-004	#12-24 Screws	1,000	9 (4.1)
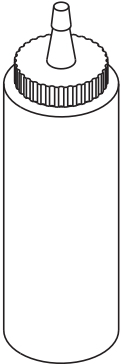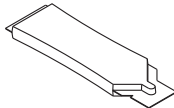
Aluminum-To-Aluminum Or Aluminum-To-Copper Antioxidant Joint Compound

Recommended for all aluminum-to-aluminum and aluminum-to-copper connectors, bare conductors, Busbars, insulated conductors and conduit threads.

Part Number	Description	Size oz (g)	Unit	Shipping Weight lb (kg)
40166-101	Antioxidant, Gray	.5 (14)	1	1 (0.5)
40166-801	Antioxidant, Gray	8 (230)	1	1 (0.5)
40166-150	Antioxidant, Gray	.5 (14)	50	2 (0.9)
40166-812	Antioxidant, Gray	8 (230)	12	6 (2.7)

8 oz (230 g)　　　.5 oz (14 g)

• Oxide inhibiting joint compound is used to improve the electrical conductivity and enhance the integrity of any grounding or bonding connection
• Good for all voltages
• Assures a high-connectivity joint by sealing out air and moisture to prevent corrosion and reformation of oxide film
• Also used as an anti-seizing thread lubricant and ensures continuity of ground on aluminum conduit threads
• Bulk packaging quantities available

Copper-To-Copper Joint Compound

Recommended for all copper-to-copper connections, copper threads and all mechanical/pressure type grounding connections.

Part Number	Description	Size	Unit	Shipping Weight lb (kg)
40168-101	Antioxidant, Copper	.5 oz	1	1 (0.5)
40168-801	Antioxidant, Copper	8 oz	1	1 (0.5)
40168-150	Antioxidant, Copper	.5 oz	50	2 (0.9)
40168-812	Antioxidant, Copper	8 oz	12	6 (2.7)

Compression Tool

Crimp Tool

Mechanical Compression Tools

Mechanical Compression Tools are used to attach compression lugs and butt splices (not recommended for use with C-Tap connections). The tools feature long steel handles with comfortable rubber grips. The Dieless Compression Tool works with either copper or aluminum conductors. The Crimp Tool comes complete with dies and features extra-long handles for two-handed crimping.

Part Number	Description	Conductor Size	Length in (mm)	Shipping Weight lb (kg)
40165-001	Compression Tool, Dieless	Copper #8-250 MCS Aluminum #8-4/0	24 (610)	5 (2.3)
40165-002	Crimp Tool	#8-1/0	10.5 (267)	3 (1.4)

Compression Lugs

Connect copper or tinned copper conductors to Busbars, racks, cabinets or Cable Runway.
• Manufactured from electroplated tinned copper conductors
• Available individually or in bulk quantities in three styles; Two-Hole, Slotted and 90° Slotted
• Other configurations available

Part Number	Description	Cable Size	Hole Spacing in (mm)	Hole Size in (mm)	Color Code	Quantity	Shipping Weight lb (kg)
40162-901	Two-Hole Lug	#6	.625 (15.9)	.250 (6.4)	Blue	1	1 (0.5)
40162-951	Two-Hole Lug	#6	.625 (15.9)	.250 (6.4)	Blue	50	2 (0.9)
40162-902	Two-Hole Lug	#6	.750 (19.1)	.375 (9.5)	Blue	1	1 (0.5)
40162-952	Two-Hole Lug	#6	.750 (19.1)	.375 (9.5)	Blue	50	2 (0.9)
40162-903	Two-Hole Lug	#6	1.00 (25.4)	.375 (9.5)	Blue	1	1 (0.5)
40162-953	Two-Hole Lug	#6	1.00 (25.4)	.375 (9.5)	Blue	50	2 (0.9)
40162-904	Two-Hole Lug	#2	.625 (15.9)	.250 (6.4)	Brown	1	1 (0.5)
40162-954	Two-Hole Lug	#2	.625 (15.9)	.250 (6.4)	Brown	25	2 (0.9)
40162-905	Two-Hole Lug	#2	.750 (19.1)	.375 (9.5)	Brown	1	1 (0.5)
40162-955	Two-Hole Lug	#2	.750 (19.1)	.375 (9.5)	Brown	25	2 (0.9)
40162-907	Two-Hole Lug	#2	1.00 (25.4)	.375 (9.5)	Brown	1	1 (0.5)
40162-957	Two-Hole Lug	#2	1.00 (25.4)	.375 (9.5)	Brown	25	2 (0.9)
40162-909	Two-Hole Lug	2/0	1.00 (25.4)	.375 (9.5)	Black	1	1 (0.5)
40162-959	Two-Hole Lug	2/0	1.00 (25.4)	.375 (9.5)	Black	10	2 (0.9)
40162-910	Two-Hole Lug	2/0	1.75 (44.5)	.500 (12.7)	Black	1	2 (0.9)
40162-960	Two-Hole Lug	2/0	1.75 (44.5)	.500 (12.7)	Black	10	2 (0.9)
40162-911	Two-Hole Lug	4/0	1.00 (25.4)	.375 (9.5)	Purple	1	1 (0.5)
40162-961	Two-Hole Lug	4/0	1.00 (25.4)	.375 (9.5)	Purple	10	2 (0.9)
40162-912	Two-Hole Lug	4/0	1.75 (44.5)	.500 (12.7)	Purple	1	1 (0.5)
40162-962	Two-Hole Lug	4/0	1.75 (44.5)	.500 (12.7)	Purple	10	3 (1.4)
40162-913	Slotted Lug	#6	.500 (12.7)/.625 (15.9)	.250 (6.4)	Blue	1	1 (0.5)
40162-963	Slotted Lug	#6	.500 (12.7)/.625 (15.9)	.250 (6.4)	Blue	25	2 (0.9)
40162-914	90° Slotted Lug	#6	.500 (12.7)/.625 (15.9)	.250 (6.4)	Blue	1	1 (0.5)
40162-964	90° Slotted Lug	#6	.500 (12.7)/.625 (15.9)	.250 (6.4)	Blue	25	2 (0.9)

C-Type Compression Taps

C-Type Compression Taps connect two copper conductors with the use of a hydraulic crimping tool.
• Available individually or in bulk packages
• Other sizes available on request
• UL Listed
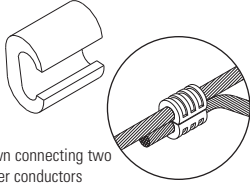
Shown connecting two copper conductors

Part Number	Description	Run	Tap	Unit	Shipping Weight lb (kg)
40163-004	C Taps	#2 Stranded #2 Solid	#2 Stranded #2 Solid	1	1 (0.5)
40163-054	C Taps	#2 Stranded #2 Solid	#2 Stranded #2 Solid	50	4 (1.8)
40163-003	C Taps	#2 Stranded #2 Solid	#4 Stranded #8 Solid	1	1 (0.5)
40163-053	C Taps	#2 Stranded #2 Solid	#4 Stranded #8 Solid	50	6 (2.7)
40163-002	C Taps	#4 Stranded #4 Solid	#4 Stranded #6 Solid	1	1 (0.5)
40163-052	C Taps	#4 Stranded #4 Solid	#4 Stranded #6 Solid	50	3 (1.4)
40163-001	C Taps	#4 Stranded #6 Solid	#6 Stranded #6 Solid	1	1 (0.5)
40163-051	C Taps	#4 Stranded #6 Solid	#6 Stranded #6 Solid	50	3 (1.4)
40163-005	C Taps	2/0 Stranded 1/0 Solid	#2 Stranded #8 Solid	1	1 (0.5)
40163-055	C Taps	2/0 Stranded 1/0 Solid	#2 Stranded #8 Solid	10	1 (0.5)
40163-007	C Taps	2/0 Stranded 1/0 Solid	2/0 Stranded 1/0 Solid	1	1 (0.5)
40163-057	C Taps	2/0 Stranded 1/0 Solid	2/0 Stranded 1/0 Solid	10	1 (0.5)
40163-006	C Taps	4/0 Stranded 3/0 Solid	#2 Stranded #6 Solid	1	1 (0.5)
40163-056	C Taps	4/0 Stranded 3/0 Solid	#2 Stranded #6 Solid	10	1 (0.5)
40163-008	C Taps	4/0 Stranded 3/0 Solid	2/0 Stranded 1/0 Solid	1	1 (0.5)
40163-058	C Taps	4/0 Stranded 3/0 Solid	2/0 Stranded 1/0 Solid	10	2 (0.9)
40163-009	C Taps	4/0 Stranded 3/0 Solid	4/0 Stranded 3/0 Solid	1	1 (0.5)
40163-059	C Taps	4/0 Stranded 3/0 Solid	4/0 Stranded 3/0 Solid	10	2 (0.9)

SEISMIC PROTECTION SYSTEMS

Bracing Products for Racks & Cabinets

SEISMIC PROTECTION SYSTEMS

It is much easier to prepare for the next seismic event than to predict it. This is especially important for data centers that cannot afford to be offline or are not backed up at a secondary location. To reduce this risk and minimize equipment damage, additional seismic bracing for racks, cabinets, runway and trays is required and used in many parts of the world.

Structural engineers can use CPI Seismic Protection Systems to reduce excessive motion that may cause undue strain on cable or conduit interconnection, which may help equipment remain operational.

OSHPD Pre-Approved Products:
CPI is also helping customers reduce the Office of Statewide Health Planning and Development (OSHPD) approval cycle as they plan installations in seismically active regions by obtaining the OSHPD Pre-Approval (OPA) numbers for several CPI products. OSHPD is the regulatory agency for the state of California that oversees the construction of hospital facilities. When equipment such as CPI Racks, Cabinets and Enclosure Systems are installed in California hospitals, OSHPD is responsible for reviewing and approving the anchorage design, as well as the architectural structure design. Find OSHPD Pre-Approved (OPA) part numbers and other useful design tools at www.chatsworth.com/designtools.

CPI Seismic Protection Systems feature:
• Seismic Products for Rack Systems
• Seismic Products for Cable Runway and Tray
• Seismic Products for Cabinet and Enclosure Systems
• Seismic Frame® Cabinet System

To reduce the risk of equipment damage from seismic events, check all codes, rules and regulations in your area. Utilize the service of a structural engineer, and follow his/her suggestions. CPI offers an assortment of Seismic Protection Systems to stiffen, brace and stabilize racks and rack-mounted equipment to comply with your structural engineer's recommendations.

Patented   c (UL) us

Seismic Frame® Two-Post Rack

CPI's Seismic Frame® Two-Post Rack is designed specifically to support network equipment in areas with seismic activity. The welded, steel Seismic Frame Two-Post Rack resists the swaying motion caused by earthquakes to reduce the amount of vibration transferred through the rack to equipment and is less likely to be damaged during a seismic event.

The Seismic Frame Two-Post Rack supports 19" EIA-310-D compliant or 23"W equipment with two pairs of mounting rails that can be spaced 6" (150 mm) or 3" (80 mm) apart. The mounting rails are marked and numbered with rack-mount units (U) and are available threaded or square-punched with painted or zinc-plated finish. This rack ships fully assembled and includes a Two Mounting Hole Ground Terminal Block for bonding the rack to the busbar. The rack is rated for a 1,000 lb (453.6 kg) seismic Zone 4 load per Section 4.4 of the Telecordia® Technologies, Inc. GR-63-CORE Network Equipment Building Systems (NEBS) requirements.

Features:
- Welded, steel network equipment rack engineered specifically to protect equipment in areas with seismic activity
- Available in two sizes; 24"W (610 mm) or 28"W (710 mm)
- Vertical Powers Strips and T-shaped Cable Management Fingers attach directly to the rack channel to provide power and cable distribution for equipment
- 19"W Rack fits within a 24" (610 mm) access floor tile
- Fully bonded rack has (2) masked grounding locations and includes a Two Mounting Hole Ground Terminal Block for easy connection to the Telecommunications Grounding Busbar
- Independently seismic-tested and certified, meets industry recognized Telecordia® Technologies, Inc. GR-63-CORE Network Equipment Building Systems (NEBS) Zone 4 requirements
- EIA-310-D Compliant
- UL Listed NWIN per UL60950, File E227626
- 1000 lb (453.6 kg) load rating for seismic areas

Rack Includes:
- (1) welded, steel frame
- (4) equipment mounting rails
- (50) each equipment mounting screws/cage nuts
- (1) Two Mounting Hole Ground Terminal Block

Seismic Frame® Two-Post Rack
populated with available accessories

Adjustable Depth Mounting Rails

Two Mounting Hole Ground
Terminal Block

Patented   c **UL** us

Seismic Frame Two-Post Rack

Open, two-post, seismic rack supports 19" EIA or 23" wide rack-mount equipment.

Part Number	Description H x W ft (m)	Shipping Weight lb (kg)
13853-X03	7 (2.1) x 19", 44U Tapped #12-24 Zinc Rails	180 (81.6)
13854-X03	7 (2.1) x 19", 44U Square-Punched Zinc Rails	178 (80.7)
13855-X03	7 (2.1) x 19", 44U Tapped #12-24 Painted Rails	180 (81.6)
13856-X03	7 (2.1) x 19", 44U Square-Punched Painted Rails	178 (80.7)
13883-X03	7 (2.1) x 23", 44U Tapped #12-24 Zinc Rails	185 (83.9)
13884-X03	7 (2.1) x 23", 44U Square-Punched Zinc Rails	183 (83.0)
13885-X03	7 (2.1) x 23", 44U Tapped #12-24 Painted Rails	185 (83.9)
13886-X03	7 (2.1) x 23", 44U Square-Punched Painted Rails	183 (83.0)

X=color; 1=Gray, 2=Computer Beige, 7=Black.
Install using (4) seismic-rated concrete anchors (sold separately).

9.6" (294 mm)

15.0" (380 mm)

Description	19 in (mm)	23 in (mm)
Overall Width (A)	24.0 (610)	28.0 (710)
Frame Opening (B)	19.3 (490)	23.3 (592)
Rail Clearance (C)	17.75 (450)	21.75 (552)

7U

Cable Management Fingers Kit

Organize patch cords and jumper cables by rack-mount unit.
- 7U T-shaped plastic cable guides snap onto the front and rear of the rack frame
- Openings between the T-shaped guides align with each rack-mount unit on the rack
- Single-Sided Kit includes 12 cable guides for one side (front or rear) of the rack
- Double-Sided Kit includes 24 cable guides for both sides (front and rear) of the rack

Part Number	Description	Shipping Weight lb (kg)
13696-001	Cable Management Fingers Kit, Single-Sided	7 (3.2)
13696-002	Cable Management Fingers Kit, Double-Sided	14 (6.4)

Color is Black.

Seismic Frame Accessories

VCS Vertical Cabling Section

Two aluminum cable managers, 6"W x 6.38"D (150 mm x 162 mm), attach to align with the front and rear of the rack. Large cable pass-through ports on the back of each manager align with openings in the side of the frame; spin-open plastic latches secure cables in managers. Attach two CPI Vertical Power Strips to slots on the back of the manager using the mounting kit listed below. One Single-Sided Cable Management Fingers Kit included to organize cables.

VCS Vertical Cabling Section Offset Bracket

Brackets attach a Single-Sided Wide VCS (P/N 11374-X03) to the Seismic Frame Two-Post Rack so that it aligns with the front of the rack. Kit includes four brackets, use two brackets per side to attach the cabling section.

Floor Drilling Template

Durable 28"W x 15"D (710 mm x 380 mm) aluminum template locates floor mounting holes for 19"W and 23"W Seismic Frame Two-Post Racks.

Concrete Floor Anchor Kit

Includes four M12 x 5-1/8" Hilti HSL-3-G Heavy Duty Sleeve Anchors to attach Seismic Frame Two-Post Rack to a concrete slab floor. Minimum recommended thickness of the concrete slab on the ground floor is 5-1/2" (140 mm). Each rack must be secured to the structural floor. Spacing between racks should be determined by a licensed structural engineer familiar with seismic applications and codes.

Vertical Power Strip Mounting Kit

Includes mounting hardware that allows two CPI Vertical Power Strips to attach to the keyholes on the sides of the Seismic Frame Two-Post Rack or the back of the Vertical Cabling Section listed above. Cannot be used on the same side as the Vertical Cabling Section or Cable Management Fingers Kit.

Duplex Electrical Outlet Box

Provides a location for a power connection at the base of the rack. Includes a single-gang box for a single duplex receptacle and two self-tapping Torx head T25 installation screws. Outlet box is welded steel, 3-3/4"H x 1-13/16"W x 2-1/2"D (95 mm x 46 mm x 64 mm) with a 15.5 in³ (250 cm³) wiring capacity, has eight (four accessible) concentric knockouts for 1/2" or 3/4" conduit, and is zinc galvanized for corrosion protection. UL Listed.

13704-703

13699-701

13703-701

13702-001

13697-001

13698-001

Part Number	Description	Shipping Weight lb (kg)
13704-X03	VCS Vertical Cabling Section, Black	35 (15.9)
13699-701	VCS Offset Mounting Bracket Kit, Black	2 (0.9)
13703-701	Floor Drilling Template, Black	6 (2.7)
13702-001	Concrete Floor Anchor Kit	3 (1.4)
13697-001	Vertical Power Strip Mounting Kit	1 (0.5)
13698-001	Duplex Electrical Outlet Box, Zinc	1 (0.5)

P/N 13704-X03, X=color; 1=Gray, 2=Computer Beige, 7=Black.

Universal Earthquake Bracing Kit

This adjustable wall/ceiling brace provides a means of securing an equipment rack or auxiliary frame to meet earthquake safety codes.

• Material is 2" x 1/4" (50 mm x 6.35 mm) steel finished with Gold Chem Film over zinc plating

Kit consists of:
• (4) brackets (make 2 swivel brackets)
• (2) 1/2-13 x 1 1/4" hex bolts
• (2) 1/2-13 hex nuts
• (2) 1/2" split lock washers
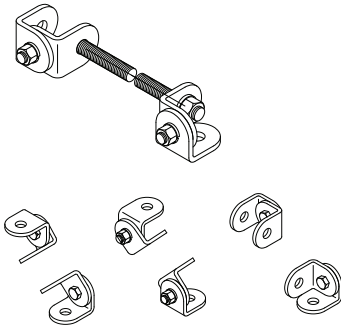
Part Number	Description	Shipping Weight lb (kg)
10562-001	Universal Earthquake Bracing Kit	3 (1.4)

Note: Seismic installation requirements should be approved by a licensed structural engineer.

Installation drawings:
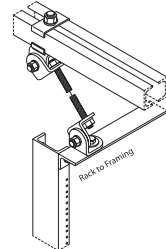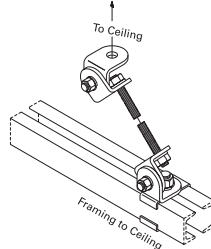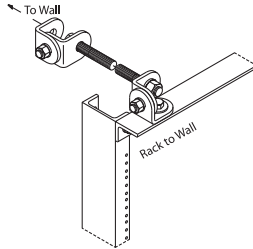
Installation will require (not included):
• (1) 5/8-11 threaded rod of appropriate length
  Rod must be trimmed to proper length during installation
• (2) 5/8-11 hex nuts
• (2) 5/8 flat Type A washer, wide
• Clip kit and hardware for attachment to channel or bar

Installation may also require (not included):
For concrete ceiling:
• (1) 5/8-11 concrete anchor
• (1) 5/8-11 x 3" stud
• (2) 5/8-11 hex nuts
• (1) 5/8" split lock washer
• (1) 5/8" flat, washer, wide, Type A

For rack:
• (1) 5/8-11 x 1 1/4" hex cap screw
• (1) 5/8-11 hex nut
• (1) 5/8" split lock washer

For auxiliary frame or grid:
• (1) Grid Clamp Kit
• (1) 5/8-11 x 3 1/4" hex screw cap
• (1) 5/8-11 hex nut
• (1) 5/8" split lock washer

For plywood backboard:
• (1) 5/8" x 2" hex lag screw
• (1) 5/8" split lock washer

Rack Seismic Gusset Kit

The Rack Seismic Gusset and Hardware Kit can be added to any CPI Universal Rack (46XXX series) to stiffen critical load bearing joints, reducing the need to stabilize the top of the rack.
- Adds additional support to critical rack joints
- Kit can be added to any CPI Universal Rack (46XXX series)

Kit consists of:
- (4) welded steel bolt-on gussets
- (8) 1/2-13 x 1-1/4" bolts
- (8) 1/2-13 nuts
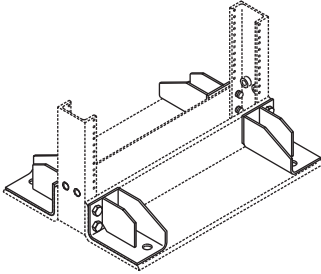
Part Number	Description	Shipping Weight lb (kg)
11592-X01	Gusset and Hardware Kit	10 (4.5)

X=color; 1=Gray, 2=Computer Beige, 7=Black. Note: Seismic installation requirements should be approved by a licensed structural engineer.

Heavy-Duty Top Angle

Optional top angle for CPI Universal, Standard or 6"D (150 mm) Standard Racks.
- Material is aluminum extrusion, 1 1/2" x 2" x 1/4" (38.1 mm x 51 mm x 6.4 mm) with two 11/16" (17.46 mm) punched holes in top surface
- Recommended to be used in pairs with 10562-001 bracing
- Sold individually
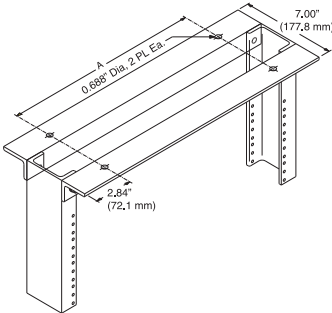
Part Number			
19" Rack	**Dim. A**	**23" Rack**	**Dim. A**
10473-X01	14.57 (370.1)	10473-X02	18.57 (471.7)

X=color; 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White.

Adjustable Bracing Kit For Racks

This adjustable, strong, easy-to-install rack bracing kit provides a cost effective, attractive solution to bracing for equipment rack. Attaches directly to the wall.
- Adjustable 24" to 36"D (610 mm to 910 mm) from wall
- Made of strong lightweight aluminum
- Available in 19" and 23" widths
- Available in four colors to complement rack installations

Part Number	Description	Shipping Weight lb (kg)
12407-X19	19"W Kit	6 (2.7)
12407-X23	23"W Kit	7 (3.2)

X=color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black
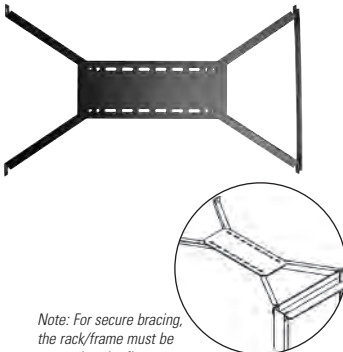
Note: For secure bracing, the rack/frame must be secured to the floor.

In Ceiling

Typical Application
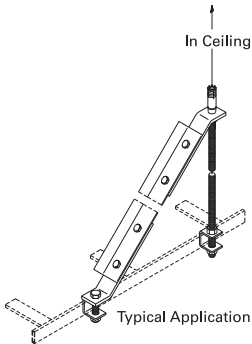
Single Earthquake Bracing Kit

Stabilizes Cable Runway hung from threaded rods. Material is 2" x 3/8" (50 mm x 9.53 mm) steel with gold over zinc plating.

Kit consists of:
• (2) steel bars (45° angle)
• (4) 1/2-13 x 1 1/4" hex nuts & cap screws
• (4) 1/2" split lock washers

Installation will require (not included):
• Threaded rod and runway attachment hardware
• (1) 2" x 2" x 3/16"' (50 mm x 50 mm x 4.763 mm) steel angle of appropriate length. See P/N 11420 (angle must be trimmed to proper length and drilled during installation)

Part Number	Description	Shipping Weight lb (kg)
10695-001	Single Earthquake Brace	8 (3.6)

Double Earthquake Bracing Kit

In Ceiling

In Ceiling

Stabilizes Cable Runway hung from threaded rods. Material is 2" x 3/8" (50 mm x 9.53 mm) steel with gold over zinc plating.

Kit consists of:
• (2) steel bars (45° angle)
• (1) "V" steel bar
• (8) 1/2-13 x 1 1/4" hex cap screws
• (8) 1/2-13 hex nuts
• (8) 1/2" split lock washers

Installation will require (not included):
• Threaded rod and runway attachment hardware
• (2) 2" x 2" x 3/16" (50 mm x 50 mm x 4.763 mm) steel angle of appropriate length. See P/N 11420 (angle must be trimmed to proper length and drilled during installation)

Part Number	Description	Shipping Weight lb (kg)
10696-001	Double Earthquake Brace	14 (6.4)

Note: Seismic installation requirements should be approved by a licensed structural engineer.

Installation may also require (not included):
For concrete ceiling:
• 5/8-11 concrete anchors
• 5/8-11 x 3 1/2" studs
• 5/8-11 hex nuts
• 5/8" split lock washers

For secondary structure:
• 5/8-11 threaded rod
• Grid Clamp Kits
• 5/8-11 hex cap screws
• 5/8-11 hex nuts
• 5/8" split lock washers

Seismic Equipment Bracket for Cabinets

The Seismic Equipment Bracket prevents back-and-forth, side-to-side and up-and-down movement of shelf-mounted equipment by bracing the equipment's chassis to the cabinet's vertical mounting rails.

• Uses 1U of mounting space, securing equipment between 15" and 32" (380 mm and 810 mm) in depth

• The bracket easily adjusts into multiple configurations which provides security for shelf-mount equipment of different depth or height

• The bracket will adjust in depth for use in any of CPI's 24", 30", 36" or 39"D (610 mm, 760 mm, 910 mm or 990 mm) MegaFrame®, SlimFrame®, SteelFrame, Seismic Frame® Cabinets and TeraFrame® Cabinets

19" Width	23" Width	Color	Shipping Weight lb (kg)
14061-119	14061-123	Gray	6 (2.7)
14061-219	14061-223	Computer Beige	6 (2.7)
14061-719	14061-723	Black	6 (2.7)

Adjustable Bracing Kit for Cabinets

Attach bracing kit to cabinet top panel where there is a risk of seismic activity. Earthquake design criteria specify that equipment remain operational when subjected to earthquakes even though some small amount of repairable secondary physical damage may occur.

• Adjustable 24" to 36" (610 mm to 910 mm) distance from wall

• For use with M-Series, E-Series and Seismic Frame Cabinets

Part Number	Description	Shipping Weight lb (kg)
12477-X19	19"W Kit	6 (2.7)
12477-X23	23"W Kit	7 (3.2)

X=color: 1=Gray, 2=Computer Beige, 7=Black
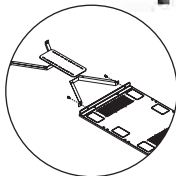
Note: For secure bracing, attach the cabinet to the floor using the proper floor installation kit along with CPI floor Anchor Clamp provided with each cabinet.

Seismic Frame® Cabinet System

Rated Zone 4 compliant to Bellcore GR-63-CORE for Network Equipment Building Systems (NEBS), Section 4.4.1.1, the Seismic Frame® Cabinet System is designed to withstand the seismic stress of an 8.3 Richter scale earthquake.

Offered in a 84"H x 19"W x 36"D (2130 mm x 910 mm) cabinet solution, the aluminum outer frame provides the sound structural environment necessary for sensitive Information Technology (IT) hardware components.

- Standard 19" EIA rack width
- Features square-punched mounting rails with rack-mount unit marks
- Aluminum outer frame with steel inner frame delivers maximum strength with minimum weight
- Seismic bracing kits and a full line of structural enhancement products are available to support site-specific structural requirements
- Internal cable management provides flexibility for wire routing and fits on-site customization
- Adjustable front to rear vertical mounting rails allow use as a standard four-post cabinet or two-channel rack
- Load Rating: 800 lb (362.9 kg) seismic

Closeup of reinforced inner frame

84"H x 19" W x 36"D (2130 mm x 910 mm) Seismic Cabinet		
Part Number	Cabinet Door Style	
	Front	Rear
11972-X02	No Front	No Rear
11972-X12	Plexiglass	Metal
11972-X22	Metal	Metal
11972-X32	Vented Plexiglass	Perforated Metal
11972-X42	Perforated Metal	Perforated Metal
84"H x 19" W x 36"D (2130 mm x 910 mm) Without Side Panels		
Part Number	Cabinet Door Style	
	Front	Rear
11973-X02	No Front	No Rear
11973-X12	Plexiglass	Metal
11973-X22	Metal	Metal
11973-X32	Vented Plexiglass	Perforated Metal
11973-X42	Perforated Metal	Perforated Metal

X=color: 1=Gray, 2=Computer Beige 7=Black. Frame is anodized aluminum

Cabinet Dimensions

Usable Height	43U
Usable Depth	36" (910 mm)
Usable Width	19"EIA
Overall Height	84.13" (2136.9 mm)
Overall Depth (w/doors)	39.62" (1006.3 mm)
Overall Width	27.32" (693.9 mm)
Shipping Weight	286 lb Min / 376 lb Max
	(129.7 kg) / (170.6 kg)

84"H x 19" W x 36"D (2130 mm x 910 mm) Frame Only**	
Part Number	Cabinet Door Style
11974-X02	Frame Only

*X=color: 1=Gray, 2=Computer Beige, 7=Black. **Frame is anodized aluminum*

INDEX

Part Number & Alphabetical Index

CPI

CHATSWORTH
PRODUCTS

New Products

PART NUMBER INDEX

Part #	Page #	Description	Part #	Page #	Description
02004	6-42	Hex Cap Bolts	10684	6-34	Tall Pipe Stand, Runway
02006	5-34	Saf-T-Grip Grommet Straps	10692	6-13	Trough Cable Runway
02006	6-42	Hex Lag Screw	10693	6-13	Trough Cable Runway
02007	6-42	Hex Lag Screw	10695	11-8	Earthquake Bracing Kit
02009	5-34	Saf-T-Grip Grommet Straps	10696	11-8	Earthquake Bracing Kit
02012	5-34	Saf-T-Grip Grommet Straps	10697	6-35	Threaded Rod Coupling Kit
03001	6-41	Hex Nuts	10699	6-19	Transition Butt-Splice Kits
03003	6-36	Slip-On Lock Nut	10702	6-29	Spanner Kit, Runway
04002	6-41	Washers, Type A Plain	10709	6-29	Framing Channel Mounting
04003	6-41	Split Lock Washers	10723	6-17	Radius Bend, Runway
05006	5-34	Saf-T-Grip Grommet Straps	10724	6-17	Radius Bend, Runway
05009	5-34	Saf-T-Grip Grommet Straps	10745	6-26	Framing Channel, Runway
05012	5-34	Saf-T-Grip Grommet Straps	10746	6-26	Heavy-Duty Framing Kit
06001	1-30	Rack, Anchors	10747	6-26	Heavy-Duty Framing Kit
06006	1-37, 5-34	Saf-T-Grip Grommet Straps	10748	6-26	Framing Bar Splice Kit
06009	1-37, 5-34	Saf-T-Grip Grommet Straps	10757	6-40	End Caps, Runway
06012	1-37, 5-34	Saf-T-Grip Grommet Straps	10758	1-20	Shelf, Small Peripheral
08009	10-10	One Mounting Hole Ground Block	10812	5-36	Distribution Ring
10001	5-37, 10-11	Stand-Off Tie Down L Bracket	10822	6-17	Cable Runway E-Bend
10175	1-33	Dolly Wheels, Universal	10842	6-39, 10-8	Insulator Bar Kit, Runway
10250	6-11	Universal Cable Runway	10873	6-37	Slip-On Support Bracket
10375	1-31	Top Angle	10941	5-36	Metal D-Rings
10419	5-24	Horizontal Cable Guides	10942	5-36	Metal D-Rings
10473	11-7	Heavy-Duty Top Angle	10943	5-36	Metal D-Rings
10473	1-31	Heavy-Duty Top Angle	10991	6-19	Transition Butt-Splice Kits
10487	6-21	Swivel Splice Kits	11019	6-25	Slip-On Framing Clip
10488	6-21	Swivel Splice Kits	11038	1-9	Single Rack Enclosure
10489	6-21	Swivel Splice Kits	11048	1-9	Single Rack Enclosure
10506	6-24	Cable Runway Elevation Kit	11054	1-21	Shelf, 26"D
10557	6-36	Threaded Rod I-Beam Clamps	11085	6-35	Threaded Rod Cover
10559	5-37, 10-11	Stand-Off Tie Down L Bracket	11125	5-35	Distribution Ring
10562	11-6	Universal Earthquake Bracing Kit	11153	5-24	Horizontal Cable Guides
10565	1-34	Rack Extension Kit	11154	5-24	Horizontal Cable Guides
10587	2-48	23-19" Rail Adapter MegaFrame	11157	5-24	Horizontal Cable Guides
10595	6-22	3" Channel Rack-to-Runway Plate	11164	1-23	Heavy-Duty, 3" Shelf
10596	6-38	Cable Retaining Post	11177	1-41	XLBET, 66 Block Brackets
10605	1-29, 10-8	Rack Base Insulator Kit	11188	1-41	XLBET, 66 Block Brackets
10606	6-39	Cable Runway Tray	11222	1-9, 4-10	Replacement Filter, Fan Kit
10607	6-37	Slotted Support Backet	11228	5-26	Narrow Cable Ring
10608	6-37	Vertical Wall Brackets	11230	5-26	Narrow Cable Loop
10609	6-25	Framing Clip Kit, Cable Runway	11231	1-22	Double-Sided Shelf
10610	10-5	Horizontal Rack Busbar	11232	1-22	Double-Sided Shelf
10616	6-20	Adjustable Junction-Splice Kit	11235	6-33	Floor Support Stands
10620	6-28	J-Bolt Kit, Clip, Runway	11236	6-33	Floor Support Stands
10621	6-25	Framing Clip Kit, Cable Runway	11237	6-33	Floor Support Stands
10622	10-4	Standard Busbar	11241	6-33	Floor Support Channel
10628	6-26	Auxiliary Framing Channel, Runway	11252	6-12	TELCO Style Cable Runway
10629	1-30	Raised Floor Rack Support	11268	6-40	L Bracket, Runway
10630	1-30	Raised Floor Rack Support	11275	6-12	UL Classified Runway
10631	1-30	Raised Floor Rack Support	11293	1-20	Shelf, Low-Profile
10632	1-30	Raised Floor Rack Support	11294	1-21	Shelf, Low-Profile
10635	6-28	J-Bolt Kit, Runway	11298	6-18	Junction-Splice Kit, H-D
10642	6-40	Protective End Caps, Runway	11299	6-18	Heavy-Duty Butt-Splice Kit
10683	5-25	IBM Style Vertical Cable Loop	11301	6-18	Butt-Space Kit

CPI: 800-834-4969

PART NUMBER INDEX

CPI: 800-834-4969

PART #	PAGE #	DESCRIPTION	PART #	PAGE #	DESCRIPTION
12176	5-30	Patch Panel Wire Management Bar	12664	5-23	Cabling Section Cover
12183	5-31	Jumper Tray, Upper	12665	1-28	Shelf, Space-Saving
12185	5-31	Jumper Tray, Lower	12680	4-18	Silver Frame Wall-Mount Cabinet
12186	5-31	Transistion Plate	12685	4-18	Silver Frame Wall-Mount Cabinet
12187	5-31	Jumper Tray, Lower	12700	1-16, 2-64	Extra Heavy Duty Sliding Shelf
12188	5-23	Cabling Section Cover	12717	1-27	Flush Mount Keyboard Tray
12189	5-23	Cabling Section Cover	12730	6-22	3" Channel Rack-to-Runway Plate
12193	1-28	Sliding Keyboard Tray	12731	6-23	6" Channel Rack-to-Runway Plate
12227	1-23	Shelf, Extra-Extended	12751	1-24	anyServer Bracket, 1U
12228	5-25	Double-Wide Cable Ring	12752	1-24	anyServer Bracket, 1U
12264	4-9	Wall-Mount Rack Enclosure	12759	1-24	anyServer Support Arms
12265	4-9	Wall-Mount Rack Enclosure	12766	5-27	2" Diameter Fiber Mgmt Spools
12291	4-10	Shelf, 10"D	12787	4-12	Extra Mounting Rails, Cube-iT
12293	1-23	Shelf, Heavy-Duty, 6" Channel	12795	4-5	Heavy Duty Swing Gate Kit
12309	1-36	Rack Channel Standoffs	12796	4-15	45° Mounting Bracket, Cube-iT
12310	1-36	Rack Channel Standoffs	12803	4-14	Light Kit, Cube-iT
12311	1-36	Rack Channel Standoffs	12804	4-14	Fan Kit, Cube-iT
12312	1-35	Rack, Equipment Support Bracket	12805	4-14	Fan Kit Filter, Cube-iT
12324	4-9	Wall-Mount Rack Enclosure	12806	4-14	Fan Kit Filter, Cube-iT
12325	4-9	Wall-Mount Rack Enclosure	12816	4-10, 7-24	Power Strip, Horizontal
12334	2-62	Fixed Shelf, Non-Vented	12820	4-15, 7-24	Power Strip, Cube-iT
12335	2-62	Fixed Shelf, Vented	12830	5-17	Global Vertical Cabling Section
12336	2-62	Fixed Shelf, Non-Vented	12831	5-17	Global Vertical Cabling Section
12337	2-62	Fixed Shelf, Vented	12832	5-17	Global Vertical Cabling Section
12338	2-63	Siding Shelf, Non-Vented	12833	5-17	Global Vertical Cabling Section
12339	2-63	Siding Shelf, Vented	12836	5-17	Global Vertical Cabling Section
12345	2-63	Siding Shelf, Non-Vented	12848	7-23	Power Strips, Vertical
12346	2-63	Siding Shelf, Vented	12850	7-23	Power Strips, Vertical
12362	6-38	Cable Runway Center Support Kit	12858	4-6	Corner Cushions
12370	5-23	Finger Snaps Cable Guides	12891	5-24	Extended Fingers Bracket
12392	5-32	Rack Radius Drop	12934	4-17	Surge-Suppressed Duplex
12393	5-32	Rack Radius Drop	12955	4-17	Fiber Slack Manager Panel
12394	5-32	Rack Radius Drop	13044	1-37	Panel Adapter with Cable Mgmt.
12407	11-7	Adjustable Bracing Kit, Racks	13050	4-16	ThinLine II Wall-Mount Cabinet
12408	6-22	3" Channel Rack-to-Runway Plate	13051	4-17	Intelligent Fan Kit, ThinLine
12409	6-23	6" Channel Rack-to-Runway Plate	13070	5-30	Horizontal Wire Panel, VCS
12419	4-12	Cube-iT Cabinet System	13075	5-30	Horizontal Wire Panel, VCS
12477	11-9	Adjustable Bracing Kit, Cabinets	13079	5-25	Vertical Wire Management Loop
12480	2-47	M-Series Fan Kit	13082	1-25, 2-60	Lockable Storage Drawer
12487	1-26	Tray, Monitor, Single, Mouse Pad	13083	1-25, 2-60	Lockable Storage Drawer
12495	2-65	Monitor+Shelf+Keyboard, Tray	13084	1-25, 2-60	Lockable Storage Drawer
12505	2-48	M-Series Fan Kit Foam Insert	13168	2-50	Enhanced Cable Managers, M-Series
12507	2-48	M-Series Fan Kit Filter	13169	2-50	Enhanced Cable Managers, M-Series
12510	2-48	M-Series Ventilation System	13170	2-50	Enhanced Cable Managers, M-Series
12511	2-48	M-Series Deluxe Ventilation System	13171	2-50	Enhanced Cable Managers, M-Series
12541	5-30	Horizontal Wire Panel, MCS/CCS	13183	5-31	Jumper Tray, Upper
12542	5-30	Horizontal Wire Panel, MCS/CCS	13185	1-25, 2-60	Lockable Storage Drawer Dividers
12573	2-65	Low Profile Fixed Shelf	13203	2-49	M-Series Caster Kit
12610	2-65	Low Profile Fixed Shelf	13204	2-55	C-Series Caster Kits
12637	1-17, 2-61	Hardware Kits, Square-Punched	13212	2-49	M-Series Intelligent Fan Door
12638	1-17, 2-61	Hardware Kits, Square-Punched	13213	2-55	C-Series Intelligent Fan Door
12639	1-17, 2-61	Hardware Kits	13222	2-49	M-Series Standard Fan Kit
12645	2-50	M-Series Vertical Cable Manager	13223	2-55	C-Series Standard Fan Kit
12663	5-30	Slip-On Cover	13239	7-24	Power Strips, Horizontal

CPI: 800-834-4969

PART NUMBER INDEX

PART NUMBER INDEX

Part #	Page #	Description	Part #	Page #	Description
35991	7-32	PowerScope In-Line Meter	40094	5-14	MCS-EFX Cabling Section
35992	7-32	PowerScope In-Line Meter	40095	5-14	MCS-EFX Cabling Section
35993	7-32	PowerScope In-Line Meter	40096	5-14	MCS-EFX Cabling Section
36811	6-3	Ontrac Wire Mesh Cable Tray	40097	5-14	MCS-EFX Cabling Section
36821	6-3	Ontrac Wire Mesh Cable Tray	40098	5-16	CCS-EFX Cabling Section
36831	6-3	Ontrac Wire Mesh Cable Tray	40099	5-16	CCS-EFX Cabling Section
37200	8-3	Single-Rail 17" LCD KVM	40100	5-16	CCS-EFX Cabling Section
37201	8-3	Dual-Rail 17" LCD KVM	40108	1-22	Shelf, Double-Sided
37202	8-5	Analog KVM Switch, DB15 Ports	40117	1-20	Shelf, Single-Sided Vented, 19"
37203	8-5	17" LCD KVM Switch, Analog	40118	1-20	Shelf, Single-Sided, Vented, 23"
37204	8-5	17" LCD KVM Switch, Analog	40153	10-3	Grounding BusBar
37205	8-10	17" LCD KVM Switch, Cat 5/6 Ports	40156	10-5	Busbar Assemblies
37206	8-10	17" LCD KVM Switch, Cat 5/6 Ports	40157	10-8	Rack Busbar Insulator Block
37207	8-10	IP KVM Switch, Cat 5/6 Ports	40158	10-5	Busbar Assemblies
37208	8-12	KVM Cables	40159	10-7	Rack Ground Jumper Kit
37209	8-7	17" LCD KVM Switch, DB15 Ports	40159	10-10	Ground Wire
37210	8-10	Analog KVM Switch, Cat 5/6 Ports	40159	10-11	Ground Jumper
37212	8-7	IP KVM Switch, DB15 Ports	40159	10-10	Equipment Ground Jumper Kit
39033	2-37	Side Panel/Grommet Seals	40160	10-6	Vertical Rack Busbar
39037	2-37	Side Panel/Grommet Seals	40161	10-7	Vertical Rack Busbar Kits
39043	2-10	Side Panels/Brush Seals	40162	10-14	Compressions Lugs
39047	2-10	Side Panels/Brush Seals	40163	10-15	C-Type Compression Taps
39076	2-41	Seal Kit	40164	10-9	Cable Runway Ground Strap Kit
39077	2-11	Front-to-Rear Cable Managers	40165	10-14	Mechanical Compression Tools
39080	2-36	Bottom Panel	40166	10-13	Antioxidant Joint Compound
39085	2-9	Air Dam Kit	40167	10-9	Two Hole Ground Terminal Block
39086	2-12	Full Height PDU Bracket	40168	10-13	Joint Compound
39087	2-13	Ring Cable Manager	40169	10-12	Pedestal Clamp and Ground
39088	2-13	Ring Cable Manager	40170	10-12	Pipe Clamp and Ground
39089	2-13	Ring Cable Manager	40172	10-6	Vertical Rack Ground Bar Kit
39107	2-36	Air Director	40602	1-29	Rack Line-Up Spacer Kit
39110	7-31	PDU Mounting Bracket	40604	1-29	Rack Installation Kit
39112	2-11	Finger Cable Manager	40605	2-61	Hardware Kits
39120	2-11	Finger Cable Manager	40605	10-13	Clean-Thread Screws
39124	2-12	Cable Lashing Bracket	40605	1-38	Screws, Combination Pan Head
39128	2-13	Ring Cable Manager	40606	1-38	Screws, Combination Pan Head
39129	2-13	Ring Cable Manager	40607	1-29	Rack Installation Kit
39130	2-9	Air Dam Kit	40750	1-21	Shelf, Single-Sided, Steel
39131	2-12	Cable Lashing Bracket	40751	1-21	Shelf, Double-Sided, Steel
39132	2-8	Bottom Panel	41021	1-31	Base Angle
39133	2-35	Equipment Rail Grommet Kit	41050	1-34	Base Dust Cover
39137	2-10	Bay Seal Kit	46053	1-4	Universal Rack
39151	2-41	Label Holder Kit	46083	1-4	Universal Rack
39177	2-8	Vertical Exhaust Duct	46353	1-4	Universal Rack
39207	2-41	Ramp Kit for Shock Pallet	46363	1-5	Universal Rack, 35" Frame
39209	2-69	Containment Floor Seal Kit	46383	1-4	Universal Rack
40056	1-34	Equipment Guard Rail	46753	1-4	Universal Rack
40057	1-34	Equipment Guard Rail	46753	1-5	Universal Rack, 35" Frame
40058	1-34	Equipment Guard Rail	46783	1-4	Universal Rack
40059	1-34	Equipment Guard Rail	48353	1-4	Universal Rack
40074	1-20, 4-10	Shelf, Single-Sided, 19"	48383	1-4	Universal Rack
40075	1-20	Shelf, Single Sided, 23"	50110	1-18	ExpandaRack, QuadraRack
40092	5-14	MCS-EFX Cabling Section	50120	1-18	QuadraRack, 4-Post Frame
40093	5-14	MCS-EFX Cabling Section	50130	1-18	ExpandaRack, QuadraRack

PART NUMBER INDEX

ALPHABETICAL INDEX

ALPHABETICAL INDEX

ALPHABETICAL INDEX

CPI: 800-834-4969

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