AUSTIN HUGHES

Design. Manufacturing. Global Services.

2009

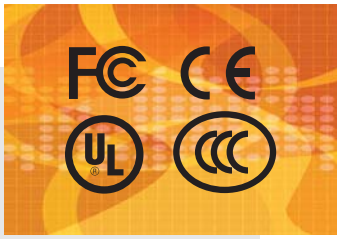
CyberView™

dedicated KVM switch and rackmount screen technology

Design. Manufacturing. Global Services.

Austin Hughes

Founded in 1995, we are dynamic rapidly expanding, design and manufacturing company that offers various electro mechanical technologies and solutions. Our portfolio includes data centre server rack enclosures, SmartCard locking and monitoring solutions, rack mount LCD keyboard drawers, a complete range of KVM switch and serial console solutions, a wide range of industrial LCD display solutions and from early 2009 a range of intelligent metered and monitored power solutions. During early 2009, we are relocating into our new purpose built 30,000 square metre factory facilities, large scale investment in this facility is providing an increase in our in house processes and plant flexibility as well as a large upscale in our available manufacturing capacity.



Regulatory Approvals for Quality Solutions

In 2007, the UL (US) and CCC (China) authorities audited and approved our China based manufacturing facilities to produce UL and CCC certified solutions.

ISO 9001 Quality Approvals & Manufacturing Efficiency

Total customer satisfaction and quality management are of utmost importance to Austin Hughes. In 2001 we formerly announced the achievement of BS EN ISO 9001 for our electronics and metal enclosure manufacturing facilities in China. All our manufacturing processes are conducted in accordance with ISO 9001 ensuring maximum operating efficiency for our manufacturing and assembly facilities.

ISO 14001 Environmentally Friendly Manufacturing

Austin Hughes is committed to manufacturing plants and processes that reduce energy consumption and the use of hazardous materials throughout the entire manufacturing / product life cycle. Since 2001 from our design processed through material sourcing, manufacturing, dispatch, usage and disposal we adhere to our ISO 14001 quality achievement.

PFOS / RoHS Compliance

Due to environmental protection and health concerns, PFOS and RoHS compliance are now two major factors for global organisations potentially procuring or supplying solutions worldwide, Austin Hughes achieves stringent PFOS and RoHS standards and guarantees its manufacturing processes and solutions are 100% lead free.

Leading Edge Design & Product Development

With a wealth of experience over many years in the electro mechanical industries, Austin Hughes design and development teams are focussed to rapidly transform customer requirements and market trends into saleable solutions. We have proven over many years that these services keep us well ahead of our competition and most important keep our customers ahead of their competition.

OEM / ODM

Austin Hughes offers OEM / ODM services to meet the specific requirements of each customer's applications. In line with our sophisticated design and manufacturing facilities, we offer a 30 day prototyping service enabling our customers to be first to market with flexible up to date market driven solutions.

Customer Service Commitment

Our expertly trained sales and technical staff are committed to respond immediately, orders are processed on receipt and delivery schedules are kept to a minimum. We have experienced export teams based in country in China, Hong Kong, the United States of America and Europe providing a truly global support structure.

Global Distribution and Support Network

As well as our own global locations in the United States of America, the United Kingdom, China, Hong Kong, the United Arab Emirates and South Africa, to meet the needs of our customers daily procurement demands, we have built a world class network of authorised distributors who provide excellent support and service throughout the USA, Europe, the Middle East and Asia.

dedicated KVM switch and rackmount screen technology

New Product Highlights - 1U 20" LCD Keyboard Drawer

Further advancing the design boundaries for 1U rack mount LCD keyboard drawer solutions, Austin Hughes launches its new 20" LCD keyboard drawer with optional integrated KVM switch - the " L " series.

The "L" series offers its users and the largest available 4:3 ratio 20" SAMSUNG grade A industrial TFT LCD panel providing an ultra high resolution of 1600 x 1200. To compliment the "L" series, the "LS" series rack mount LCD keyboard drawer solution has been specifically designed to provide direct compatibility with SUN servers - the default LCD resolution is 1152 x 900 and the keyboard incorporates full SUN function keys as standard.

L-120 series

1U 20" LCD keyboard drawer

- *The largest LCD*
- *20" LCD High*
- *Full range Cat6*
- *SUN server*
- *Modular design*

① LCD module kit

- SAMSUNG 20" Grade A LCD panel, ultra high resolution 1600 x 1200
- "LS" series provides direct support for SUN native 1152 x 900 resolution
- BNC + S-Video, DVI-D, DC power and audio options
- Enhanced aesthetics with new moulded front panel and two point lock

② KVM interchangeable module kit

- All KVM models are interchangeable in the same chassis
- Multi-user Matrix Cat6 KVM with either 16 or 32 ports in 1U of rack space
- Cost efficient Combo KVM integration with either 8, 16 or 32 ports in 1U of rack space
- Mix PS/2, USB and SUN with multi-platform switch capability

Introducing the New CyberView™ 1U 20" LCD keyboard drawer - " L " series

Whether used on a day to day basis, for installation, maintenance or for disaster recovery, Austin Hughes solutions are designed to provide maximum life cycle, functionality and flexibility to the user whilst using the minimum amount of critical rack space and power requirement within the equipment closet. All our solutions are designed using a modular construction with interchangeable LCD panels, keyboards and KVM switches and are fully supported in country by local service and warranty programs with extended warranty programs available on request.

in 1U KB drawer
resolution 1600 x 1200
& DB-15 KVM integration
compatible

LS-120 series SOLARIS®

SUN-compatible 1U 20" LCD keyboard drawer

③ Keyboard interchangeable module kit

- Combo interface either PS/2 or USB input to the LCD drawer / keyboard
- Multiple keyboard language selections with touchpad
- 104 key notepad keyboard with full numerical pad

New Product Highlights - 19" widescreen LCD in 1U KB Drawer

Further advancing the design boundaries for 1U rack mount LCD keyboard drawer solutions, Austin Hughes launches its new 19" Widescreen LCD keyboard drawer with optional integrated KVM switch - the " **W** " series.

The "W" series offers its users Widescreen technology using only SAMSUNG grade A industrial panels, we have introduced enhanced aesthetics to the "W" units with our new molded front panel and two point locking system, as you would expect our "W" series offers a full range of integrated KVM solutions up to 32 ports of Matrix Cat6 KVM.

W-119 series

1U 19" widescreen LCD keyboard drawer

- ***The widest LCD***
- ***19" widescreen***
- ***Full range Cat6***
- ***SUN server***
- ***Modular design***

① LCD module kit

- SAMSUNG Wide 19" Grade A LCD panel, ultra high resolution 1440 x 900
- "WS" series provides direct support for SUN native 1152 x 900 resolution
- BNC + S-Video, DVI-D, DC power and audio options
- Enhanced aesthetics with new moulded front panel and two point lock

② KVM interchangeable module kit

- All KVM models are interchangeable in the same chassis
- Multi-user Matrix Cat6 KVM with either 16 or 32 ports in 1U of rack space
- Cost efficient Combo KVM integration with either 8, 16 or 32 ports in 1U of rack space
- Mix PS/2, USB and SUN with multi-platform switch capability

Introducing the New CyberView™ 1U 19" widescreen LCD keyboard drawer - " W " series

The " WS " series rack mount LCD keyboard drawer solution has been specifically designed to provide direct compatibility with SUN servers - the default LCD resolution is 1152 x 900 and the keyboard incorporates full SUN function keys including Stop, Cut, Paste, Compose, Copy and Help as standard. The "WS" series is available with our cost efficient DB-15 Combo KVM or our high density multi user Matrix Cat6 KVM with either 16 or 32 ports in 1U.

WS-119 series SOLARIS®

SUN-compatible 1U 19" widescreen LCD KB drawer

in 1U KB drawer
LCD High resolution 1440 x 900
& DB-15 KVM integration
compatible

③ Keyboard interchangeable module kit

- Combo interface either PS/2 or USB input to the LCD drawer / keyboard
- Multiple keyboard language selections with either touchpad or trackball
- 104 key notepad keyboard with full numerical pad

④ Mouse module kit

- 3 button Glidepoint™ touchpad or trackball interchangeable in same chassis
- Combo interface either PS/2 or USB input to the LCD drawer / keyboard

New Product Highlights - 1U Dual Slide LCD KB Drawer

Further advancing the design boundaries for 1U Dual Slide rack mount LCD keyboard drawer solutions, Austin Hughes launches its new 17" and 19" Dual Slide LCD keyboard drawer with optional integrated KVM switch - the " D " series.

The "D" series offers its users Dual Slide technology allowing the LCD to be left up / open when the rack door is closed, we have introduced enhanced aesthetics to the "D" units with our new molded front panel and two point locking system, as you would expect our "D" series offers a full range of integrated KVM solutions up to 32 ports of Matrix Cat6 KVM.

D-117 / D-119 series

1U 17", 19" dual slide LCD keyboard drawer

- *Dual slide LCD*
- *17", 19" LCD*
- *Full range Cat6*
- *SUN server*
- *Modular design*

① LCD interchangeable module kit

- 17" and 19" LCD panel interchangeable in same chassis
- SAMSUNG Grade A LCD panel
- "DS" series provides direct support for SUN native 1152 x 900 resolution
- BNC + S-Video, DVI-D, DC power and audio options
- Enhanced aesthetics with new moulded front panel and two point lock

② KVM interchangeable module kit

- All KVM models are interchangeable in the same chassis
- Multi-user Matrix Cat6 KVM with either 16 or 32 ports in 1U of rack space
- Cost efficient Combo KVM integration with either 8, 16 or 32 ports in 1U of rack space
- Mix PS/2, USB and SUN with multi-platform switch capability

Introducing the New CyberView™ 1U dual slide LCD keyboard drawer - " D " series

The " DS " series Dual Slide rack mount LCD keyboard drawer solution has been specifically designed to provide direct compatibility with SUN servers - the default LCD resolution is 1152 x 900 and the keyboard incorporates full SUN function keys including Stop, Cut, Paste, Compose, Copy and Help as standard. The "DS" series is available with our cost efficient DB-15 Combo KVM or our high density multi user Matrix Cat6 KVM with either 16 or 32 ports in 1U.

DS-117 / 119 series

SOLARIS®

SUN-compatible 1U dual slide LCD KB drawer

in 1U KB drawer
resolution 1280 x 1024
& DB-15 KVM integration
compatible

③ Keyboard interchangeable module kit

- Combo interface either PS/2 or USB input to the LCD drawer / keyboard
- Multiple keyboard language selections with touchpad
- 104 key notepad keyboard with full numerical pad

④ Mouse module kit

- 3 button Glidepoint™ touchpad interchangeable in same chassis
- Combo interface either PS/2 or USB input to the LCD drawer / keyboard

New Product Highlights - RKP Series Enhanced Version

Further advancing the design boundaries for cost efficient 1U rack mount LCD keyboard drawer solutions, Austin Hughes launches its enhanced 17" and 19" LCD keyboard drawer with optional integrated KVM switch - the " **RKP** " series.

The enhanced "RKP" series offers its users increased functionality with a full keyboard and numerical pad with centralised mouse and either touchpad or trackball as standard, new enhanced aesthetics with our molded front panel and two point locking system, one-man installation slides, and as you would expect our "RKP" series offers a full range of integrated KVM solutions up to 32 ports of Matrix Cat6 KVM.

RKP-117 / 119 series

1U 17", 19" LCD keyboard drawer

- *104 key notepad*
- *One man installation*
- *New moulded front*
- *SAMSUNG 17", 19"*
- *Full range Cat6 &*
- *SUN server*
- *Modular design*

① LCD module kit

- SAMSUNG 17", 19" Grade A LCD panel, resolution 1280 x 1024
- "S" series provides direct support for SUN native 1152 x 900 resolution
- BNC + S-Video, DVI-D, DC power, audio and touchscreen options
- Enhanced aesthetics with new moulded front panel and two point lock

② KVM interchangeable module kit

- All KVM models are interchangeable in the same chassis
- Multi-user Matrix Cat6 KVM with either 16 or 32 ports in 1U of rack space
- Cost efficient Combo KVM integration with either 8, 16 or 32 ports in 1U of rack space
- Mix PS/2, USB and SUN with multi-platform switch capability

Introducing the CyberView™ LCD keyboard drawer - **" RKP " series**

RKP-117 / RKP-119 series 1U 17", 19" LCD keyboard drawer

S-117 / S-119 series SOLARIS® SUN-compatible 1U LCD keyboard drawer

The " **S** " series rack mount LCD keyboard drawer solution has been specifically designed to provide direct compatibility with SUN servers - the default LCD resolution is 1152 x 900 and the keyboard incorporates full SUN function keys including Stop, Cut, Paste, Compose, Copy and Help as standard. The "S" series is available with our cost efficient DB-15 Combo KVM or our high density multi user Matrix Cat6 KVM with either 16 or 32 ports in 1U.

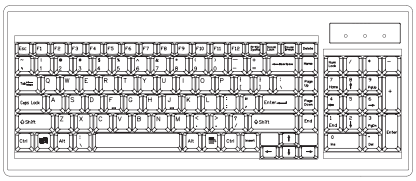
S-117 / 119 series SOLARIS®

SUN-compatible 1U 17", 19" LCD KB drawer

keyboard with full numerical pad
slides included
panel & two point lock
grade A LCD panel
DB-15 KVM integration
compatible

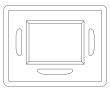
③ Keyboard interchangeable module kit

- Combo interface either PS/2 or USB input to the LCD drawer / keyboard
- Multiple keyboard language selections with either touchpad or trackball
- 104 key notepad keyboard with full numerical pad



④ Mouse module kit

- 3 button Glidepoint™ touchpad or trackball interchangeable in same chassis
- Combo interface either PS/2 or USB input to the LCD drawer / keyboard



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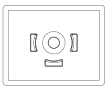


New Product Highlights - *Matrix* Cat6 KVM

Introducing the latest editions to the CyberView™ range - the **MU-IP** and **MU** series

The Matrix Cat6 KVM switch provides multi-users (maximum 4) local access, remote access up to 1000 feet away via Cat6 cable, and IP-based remote access to control the servers from anywhere in the world over the internet.

A scalable solution is provided not only for the VGA-USB and VGA-PS/2 interface, but also DVI-USB interface at the server end of the installation up to 40 meters away. This allows the user to specify the switch and match the exact server configuration on a cost effectiveness basis.

Cat6 cable up to 300 meters to remote access server

Cat6 cable up to 40 meters to server end

DVI-USB Dongle

VGA-USB Dongle

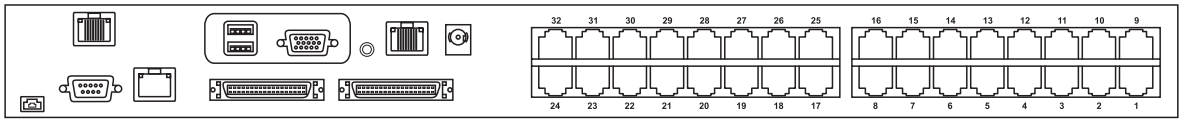
VGA-PS/2 Dongle

Servers

Local USB Console

Remote Cat6 Console

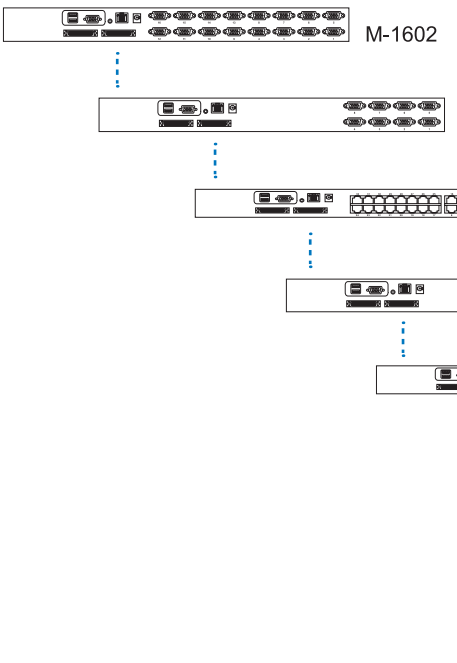
Cat6 KVM port



Cascade

2 additional console options either IP or Cat6 remote

IP	Remote
2	0
1	0
1	1
0	1
0	2



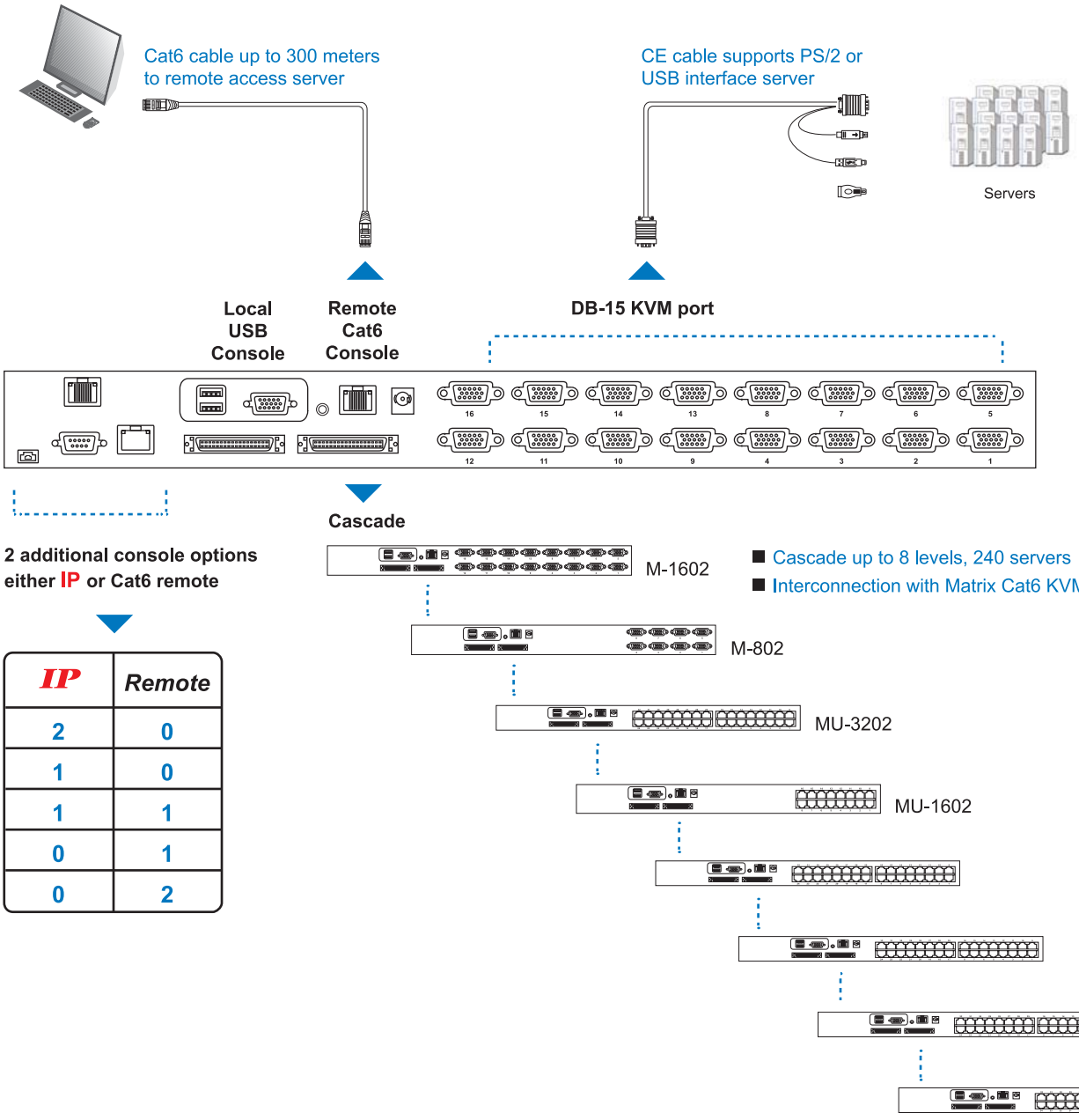
- Cascade up to 8 levels, 256 servers
- Interconnection with Matrix DB-15 KVM

New Product Highlights - *Matrix* DB-15 KVM

Introducing the latest editions to the CyberView™ range - the **M-IP** and **M** series

The Matrix DB-15 KVM switch provides multi-users (maximum 4) for local access, remote access up to 1000 feet away via Cat6 cable, and IP-based remote access allows the user to control the servers from anywhere in the world over the internet.

The new design Combo (USB-PS/2) KVM support both USB or PS/2 interface server with a single cable in 6, 10 or 15 feet which allows a user to specify the switch and match the exact server configuration on a cost effectiveness basis.



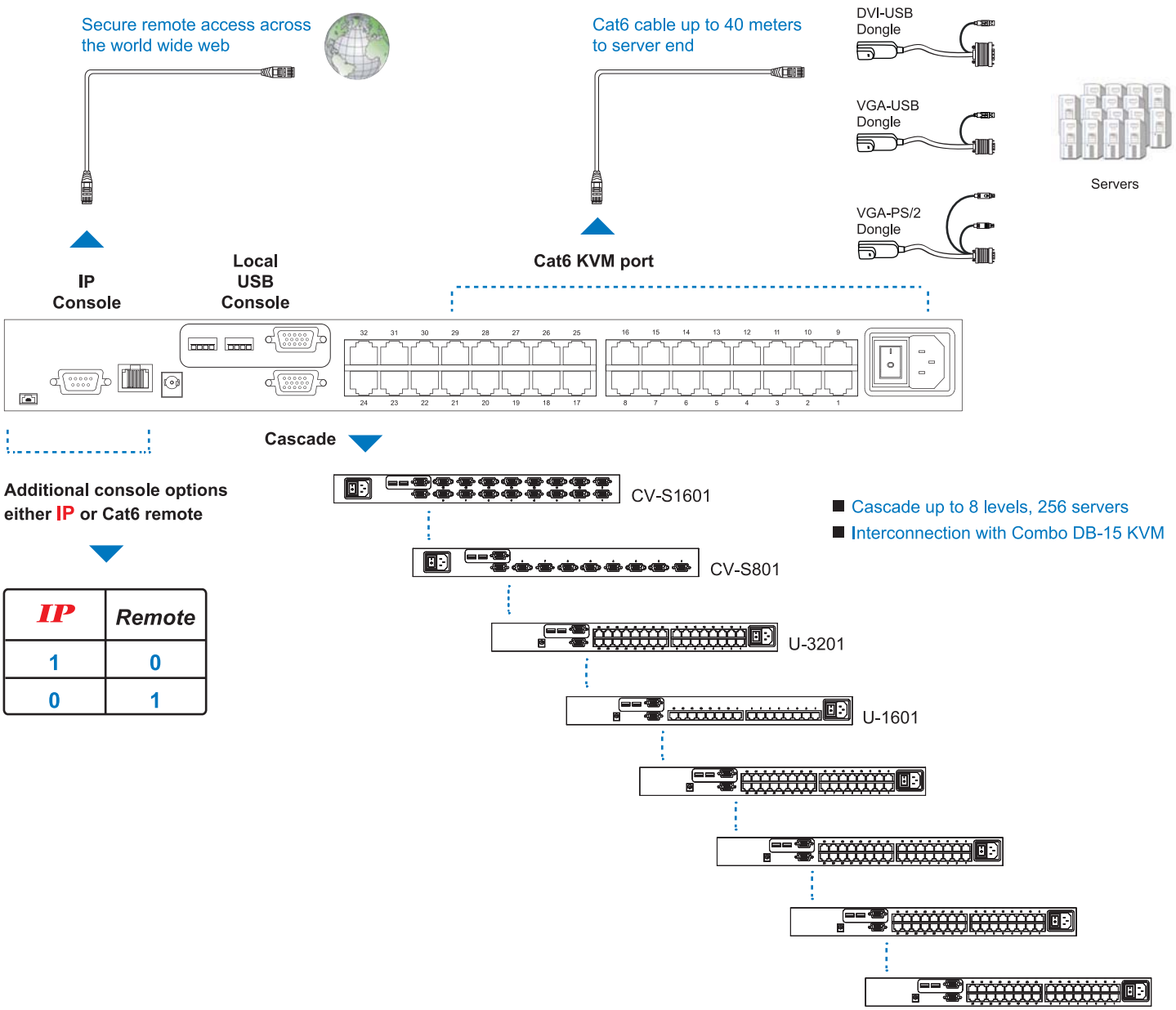
IP	Remote
2	0
1	0
1	1
0	1
0	2

New Product Highlights - *Combo* Cat6 KVM

Introducing the latest editions to the CyberView™ range - the **U** series

Capable of connecting 32, 16, 8 servers per device, the new U series Cat6 KVM switch support multi-platform servers and multi-operating system. It also provides a scalable solution not only for the VGA-USB and VGA-PS/2 interface, but also DVI-USB interface at the server end of the installation up to 40 meters away. This allows the user to specify the switch and match the exact server configuration on a cost effectiveness basis.

The new U series Cat6 KVM switch provides an extra console for - either remote access up to 1000 feet away via Cat6 cable, or IP-based remote access which allows the user to control the servers from anywhere in the world over the internet.



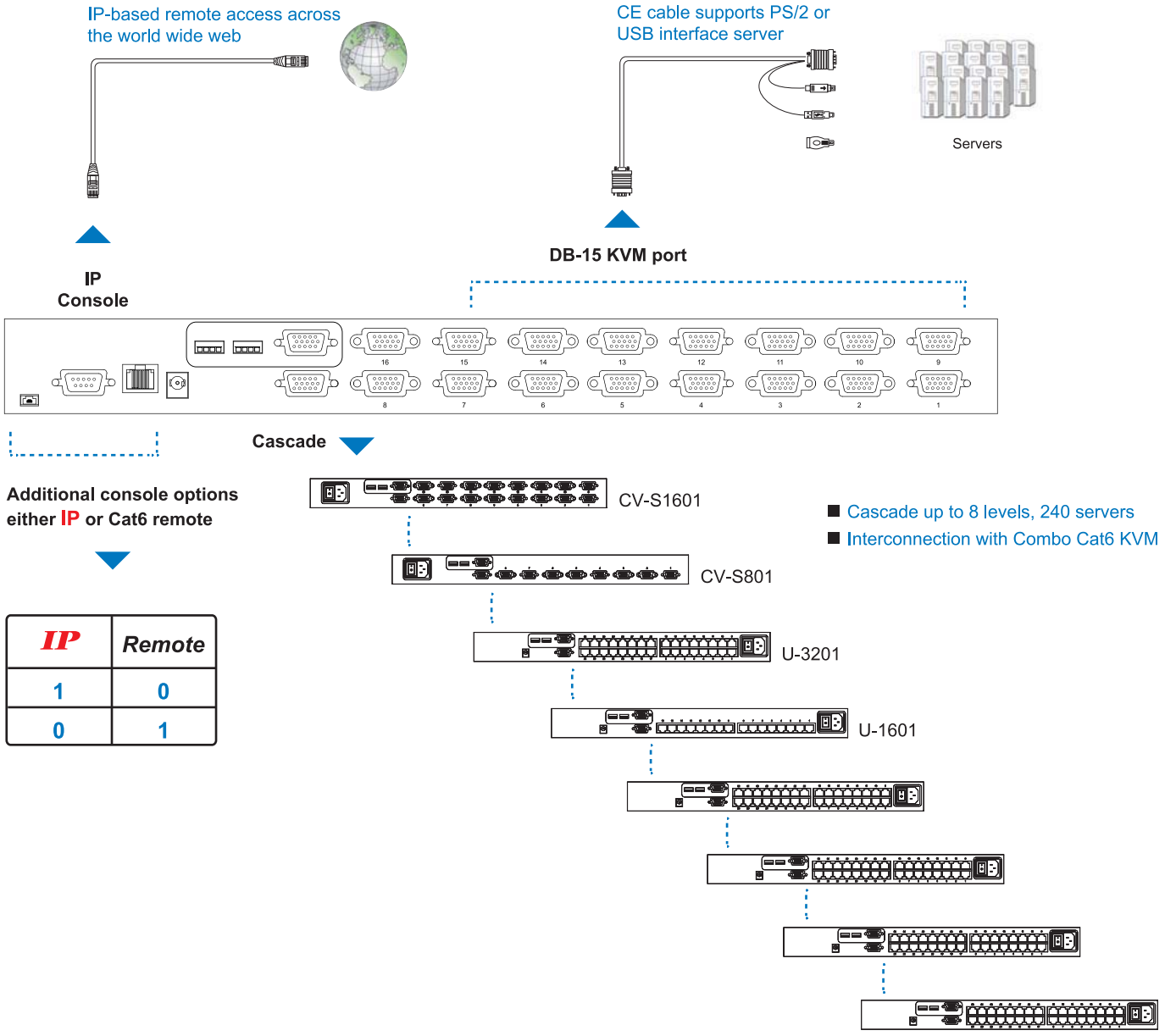
IP	Remote
1	0
0	1

New Product Highlights - *Combo* DB-15 KVM

Introducing the latest editions to the CyberView™ range - the **CV** series

Capable of connecting 16 or 8 servers per device, the new CV series Combo DB-15 KVM supports multi-platform servers and multi-operating system. It also provides an extra console for - either remote access up to 1000 feet away via Cat6 cable, or IP-based remote access which allows the user to control the servers from anywhere in the world over the internet.

The newly designed Combo (USB-PS/2) KVM supports both USB or PS/2 interface server with a single cable in 6, 10 & 15 feet which allows a user to specify the switch and match the exact server configuration on a cost effectiveness basis.



IP	Remote
1	0
0	1

New Product Highlights - Widescreen LCD Display

Austin Hughes has many years of electro mechanical design experience in industrial LCD display solutions, now we are advancing design boundaries to offer LCD widescreen technology using only SAMSUNG grade A industrial panels that support a greater range of applications on our hardware solutions listed below:

19" Widescreen

SAMSUNG Grade A industrial TFT LCD Panel

- Native resolution : 1440 x 900
- Viewing angle (H x V) : 160 / 160
- Brightness : 300 cd/m2
- Contrast ratio : 1000 : 1
- Display colour : 16.7M

22" Widescreen

SAMSUNG Grade A industrial TFT LCD Panel

- Native resolution : 1680 x 1050
- Viewing angle (H x V) : 170 / 160
- Brightness : 300 cd/m2
- Contrast ratio : 1000 : 1
- Display colour : 16.7M

CyberView™ Model Coverage

W-119 / WS-119
Widescreen LCD Keyboard Drawer

RP-W719 / RP-W822
Widescreen Display Panel

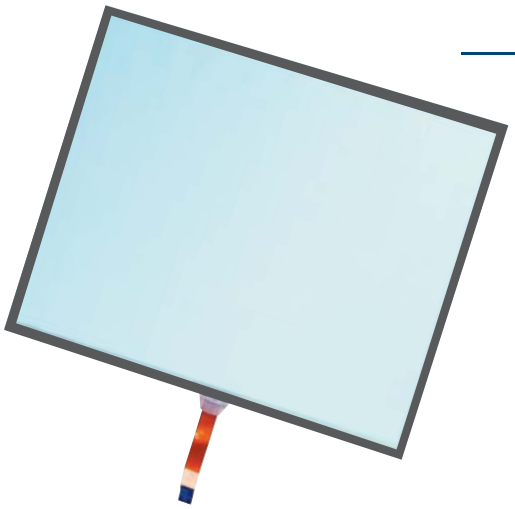
RP-W119
Widescreen Display Drawer

page 43~46, 79~81 for full product details

New Product Highlights - e-Capacitive Touchscreen

Benefits

- Anti-glare surface finish
- 99% touch accuracy
- 93% (± 2%) light transmission
- 9H surface hardness
- 25ms response time
- Over 300 million touches
- 2048 x 2048 resolution



- 15" LCD
- 17" LCD
- 19" LCD
- Wide 19" LCD
- Wide 22" LCD

Model Coverage Examples

RP-W822-TCB
RP-W719-TCS

Widescreen 19" & 22" Display Panel

RP-819-TCB
RP-717-TCS

17" & 19" Display Panel

RP-119-TCB
RP-117-TCS

1U 17" & 19" Display Drawer

RKP-119-TCB
RKP-117-TCS

1U 17" & 19" LCD Keyboard Drawer

page 104 for full touchscreen specifications

New Product Highlights - Quad Display (QD)

Introducing the advanced CyberView™ video display technology - the Quad Display

Austin Hughes has successfully developed the Quad Screen Splitter option on all 17", 19", 20" and 22" LCD display panels and drawers. It allows the users to display and monitor the video signals from four different computers or video sources simultaneously on one single screen, resolution up to 1600 x 1200.

Applications

- **Mission critical monitoring and surveillance**
- **Industrial process control**
- **Large-scale operation centres**
- **Data centres**
- **Television control rooms**

Model Coverage

RP-W819QD
RP-W922QD

Widescreen LCD Quad Display

RP-817QD
RP-919QD
RP-1020QD

4 : 3 LCD Quad Display

RP-W119QD

Widescreen Quad Display Drawer

RP-117QD
RP-119QD

4 : 3 Quad Display Drawer

page 82~84, 92~93 for full product details

Quad Display Features

- **Four camera outputs can be combined into one video signal for simultaneous display & recording**
- **User selected video display mode including Quad Display mode (cameras 1-4) & full screen sequential switching**
- **On screen TIME, TITLE display for each channel & on-screen setup menu**
- **Alarm detection for sensor contact closure & video loss in camera inputs**
- **Built-in buzzer for alarm detection acknowledgement**
- **Freeze of last picture before video loss**

Quad Display Panel Button

page 103 for full Quad Display specifications

New Product Highlights - New Generation High Bright LCD

Benefits

- LED technology
- Low power consumption
- Long lifetime up to 70,000 hours
- Minimum EMI emissions
- Operation temperature at -20°C
- High shock & vibration resistance
- Mercury free
- Slim size

- 17", 800 cd/m2
- 19", 800 cd/m2
- Wide 19", 800 cd/m2
- Wide 22", 600 cd/m2

Option

Optical Bonding

✓ ✗

- 1mm thick optically clear adhesive for touchscreen or 4mm temper glass
- No air gap between the cover glass & LCD panel
- Increased LCD durability under vibration
- Eliminate residual and ghost images

Anti-Reflective Film (AR Film)

✓ ✗

- 0.1mm thick optical interference coating film
- Designed to provide visual enhancement
- Cost effective vacuum laminated technology
- Greatly reduced specular & diffuse reflection
- Increased contrast for improved readability
- Easy clean surface

Model Coverage

RP-HW719
RP-HW822

High Bright Widescreen Display Panel

RP-H717
RP-H819

High Bright 4 : 3 Display Panel

RP-H117
RP-H119

High Bright Display Drawer

H-117
H-119

High Bright LCD Keyboard Drawer

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Content

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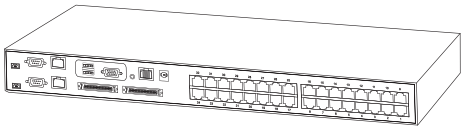
KVM Switch



Matrix Cat6 KVM

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Matrix Cat6 IP KVM ---- MU-IP series ---- P.25 - 26

Matrix DB-15 KVM

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Combo Cat6 KVM

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Combo DB-15 KVM

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Combo DB-15 IP KVM ---- IP series ---- P.36

PS/2 DB-15 KVM

PS/2 DB-15 KVM ---- CV PS/2 series ---- P.37

KVM Extender

Combo KVM Extender ---- CV-S101 ---- P.38

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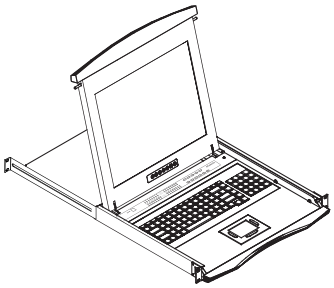
Part II
LCD Keyboard Drawer



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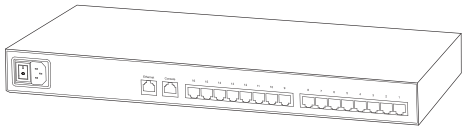
Part III
Serial Console Server & Serial Console LCD Drawer



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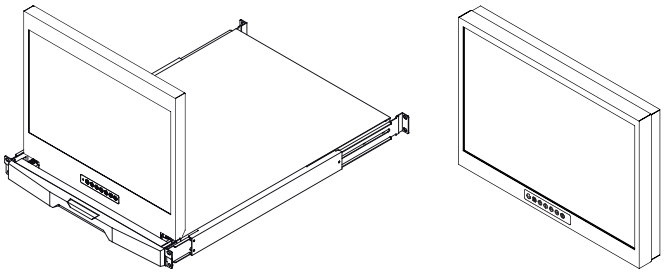
NCP-1701 ---------- 1U 17" single port serial console LCD drawer ---------- P.75 - 76
NCP-1716 ---------- 1U 17" 16-port serial console LCD drawer ---------- P.77 - 78

Part IV
Rackmount LCD Display Panel & Display Drawer



Widescreen LCD Display

RP-W822 ---------- 8U 22" widescreen LCD display ---------- P.79
RP-W719 ---------- 7U 19" widescreen LCD display ---------- P.80
RP-W119 ---------- 1U 19" widescreen LCD drawer ---------- P.81

Widescreen LCD Quad Display

RP-W922QD ---------- 9U 22" widescreen LCD quad display ---------- P.82
RP-W819QD ---------- 8U 19" widescreen LCD quad display ---------- P.83
RP-W119QD ---------- 1U 19" widescreen quad display drawer ---------- P.84

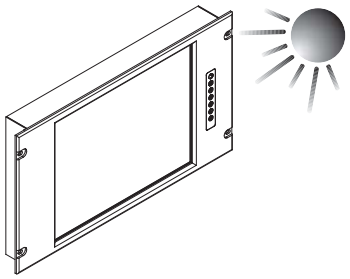
4 : 3 LCD Display

RP-120 ---------- 1U 20" LCD drawer ---------- P.85
SP-120 ---------- 1U 20" SUN solution LCD drawer ---------- P.86
RP-117 / RP-119 ---------- 1U 17", 19" LCD drawer ---------- P.87
SP-117 / SP-119 ---------- 1U 17", 19" SUN solution LCD drawer ---------- P.88
RP-1417 / RP-1419 ---------- 1U short depth 17", 19" LCD drawer ---------- P.89
RP-717 / RP-819 / RP-920 ---------- 7U~9U 17", 19", 20" LCD display panel ---------- P.90
SP-717 / SP-819 / SP-920 ---------- 7U~9U 17", 19", 20" SUN solution LCD display panel ---------- P.91

4 : 3 LCD Quad Display

RP-117QD / RP-119QD / RP-120QD ---- 1U 17", 19", 20" quad display drawer ---------- P.92
RP-817QD / RP-919QD / RP-1020QD --- 8U~10U 17", 19", 20" LCD quad display ---------- P.93

Part V
High Brightness Solution



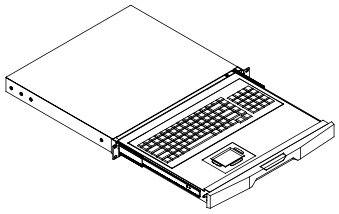
RP-H717 / RP-H819 ---------- 7U~8U 17", 19" LCD display ---------- P.94

RP-HW719 / RP-HW822 ---------- 7U~8U 19", 22" widescreen LCD display ---------- P.95

RP-H117 / RP-H119 ---------- 1U 17", 19" LCD drawer ---------- P.96

H-117 / H119 ---------- 1U 17", 19" LCD keyboard drawer ---------- P.97 - 98

Part VI
Rackmount Keyboard Drawer



RK-1 ---------- 1U keyboard drawer with KVM option ---------- P.99 - 100

RK-2 ---------- 1U short depth keyboard drawer ---------- P.101

Part VII
Specifications & Accessories

Accessories ---------- P.102

Quad Display Specifications ---------- P.103

DC Power Input & Touchscreen Specifications ---------- P.104

LCD Specifications ---------- P.105

Keyboard Specifications ---------- P.106

KVM Rear I/O Windows for N-117 series, W-119 series, RKP-117 series, RKP-217 series ---------- P.107 - 108

KVM Rear I/O Windows for L-120 series, D-117 series, RKP-7 series, H-117 series, RKP-2415 series --- P.109 - 110

MU-1602 / 3202
MU-1603 / 3203 New
MU-1604 / 3204

Designed for:

Sun microsystems, IBM, hp, DELL, SOLARIS®, Mac, Windows, Linux

Matrix Multi-User Cat6 KVM Benefits

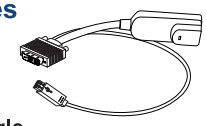
- **Efficient system management with simultaneous multi-user access**
- **Capable of connecting 32 or 16 servers per device in 1U**
- **Support DVI-USB, VGA-USB & VGA-PS/2 server interface**
- **Increased distance of 40m between your server & KVM switch**
- **Enhanced Cat6 cable management with remote access over 300m**

Switch Features & Options

- Provide a diversity of consoles to access servers independently and simultaneously
- Use of the RJ45 Cat6 interface allows for a higher number of ports in smaller density
- Greater distances between your switch and servers allow enhanced data centre rack layouts
- Multi lingual on screen display menu
- Advanced user profiles and configurable OSD hot key combinations

DC 12V, 24V and 48V DC Power options

Accessories



DG-100SD
DVI-USB dongle

DG-100S
VGA-USB dongle

DG-100
VGA-PS/2 dongle

CMC-3
3ft Matrix KVM cascade cable

CU-3 CU-10
CU-6 CU-15 CU-33
Cat6 cable - 3, 6, 10, 15 & 33 ft

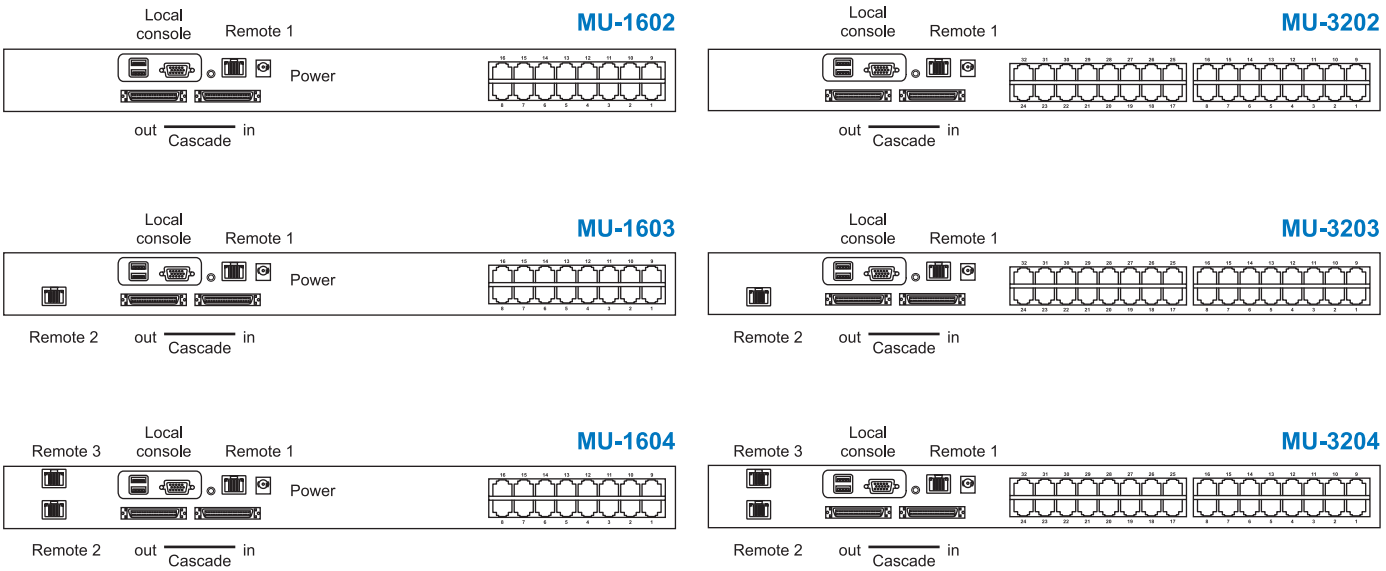
Technical Specification

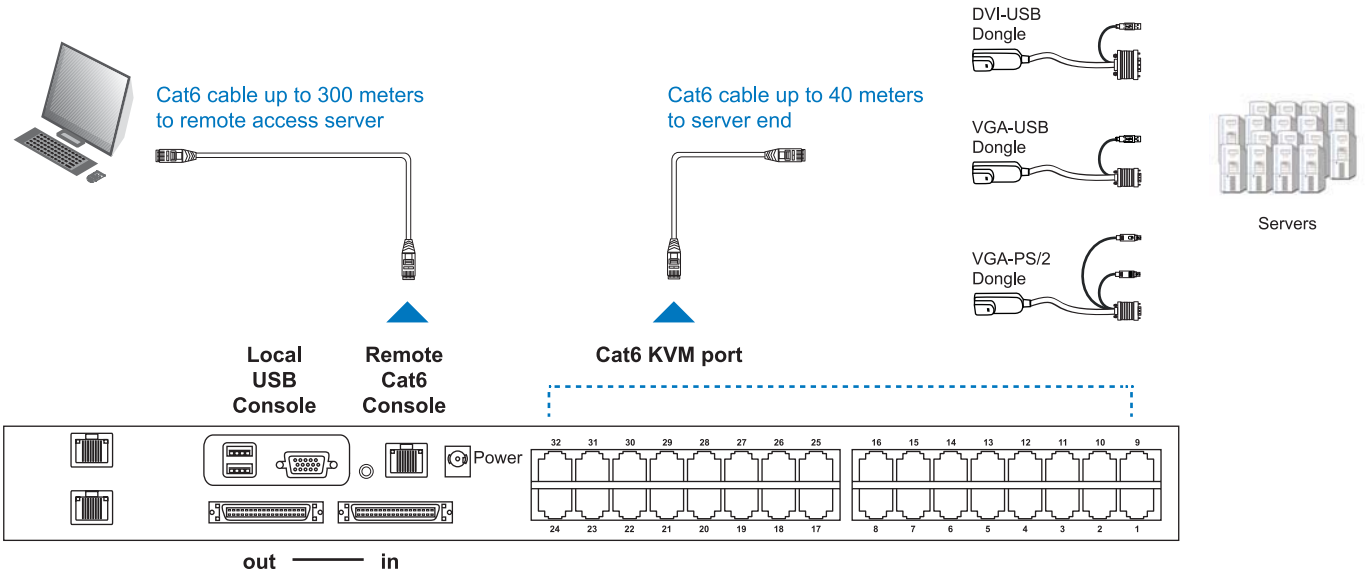
- **KVM Port :** 32 / 16 x RJ45 connector
- **KVM Dongle :** DVI-D / VGA connector dongle up to 40 meters (132 feet) Cat6 / Cat5 cable
- **Simultaneous Console Access**
  - Local : 1 x DB-15 VGA (up to 1600 x 1200), 2 x USB for KB & MS
  - Remote (1, 2 or 3) : 1 x RJ45, up to 300 meters (1000 feet) Cat6 cable
- **Remote Receiver (1, 2 or 3) :**
  1 x DB-15 VGA (up to 1600 x 1200), 2 x USB for KB & MS
  1 x KVM port for connecting an extra PC
- **Expansion :** Support mixed DB-15 or RJ45 Matrix KVM, up to 256 servers
- **Compatibility :**
  Mix PCs, SUNs, MACs, IBMs, HPs, DELLs server
  Windows Vista / 2003 / XP / 2000, Linux, Netware, Unix
- **Power :** 100~240VAC, 50 / 60Hz 0.5A via AC / DC cord
- **Regulatory Approval :** FCC, CE
- **Environmental**
  - Operating / Storage : 0 to 50°C / -5 to 60°C
  - Relative humidity : 90%, non-condensing
  - Shock : 50G peak acceleration (11 ms, half-sine wave)
  - Vibration : 58~100Hz / 0.98G (11ms / cycle)

Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
MU-1602 / 1603 / 1604 MU-3202 / 3203 / 3204	448 x 180 x 44 mm 17.6 x 7.1 x 1.73 inch	510 x 400 x 77 mm 20.1 x 15.7 x 3 inch	4 kg / 9 lbs	7 kg / 15 lbs

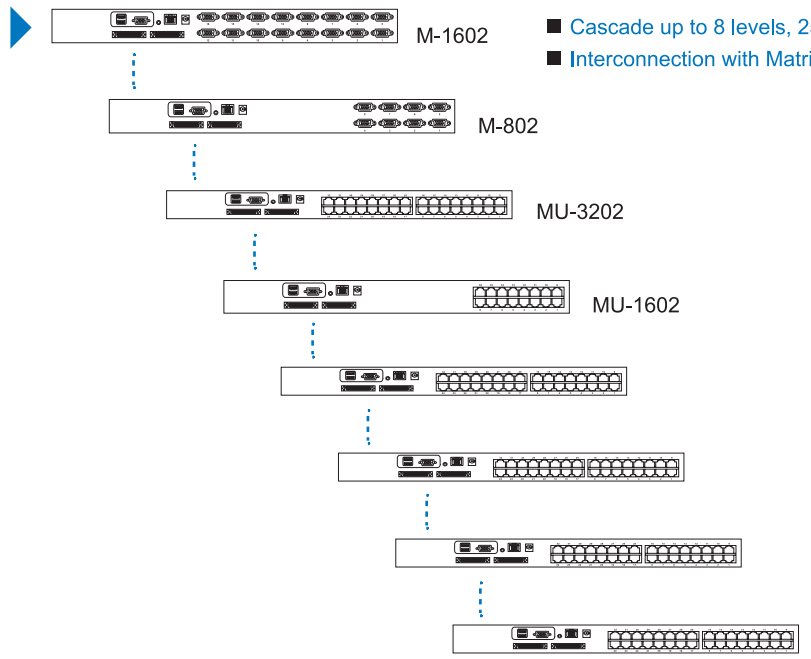
CyberView™ — Connect your *Matrix* Multi-User Cat6 KVM





Additional Cat6 remote consoles

Model	Additional Cat6 Remote
MU-1602	0
MU-3202	0
MU-1603	1
MU-3203	1
MU-1604	2
MU-3204	2



- Cascade up to 8 levels, 256 servers
- Interconnection with Matrix DB-15 KVM

MU-IP1613 / 3213
MU-IP1614 / 3214
MU-IP1624 / 3224

New

Matrix Multi-User Cat6 IP KVM Benefits

- **Secure IP remote user access across the world wide web**
- **Efficient system management with simultaneous multi-user access**
- **Capable of connecting 32 or 16 servers per device in 1U**
- **Support DVI-USB, VGA-USB & VGA-PS/2 server interface**
- **Up to 40 meters between your server & KVM switch**
- **Enhanced Cat6 cable management with remote access over 300m**

Switch Features & Options

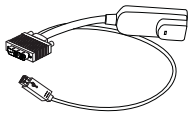
- Provide a diversity of consoles to access servers independently and simultaneously
- Use of the RJ45 Cat6 interface allows for a higher number of ports in smaller density
- Greater distances between your switch and servers allow enhanced data centre rack layouts
- Multi lingual on screen display menu
- Advanced user profiles and configurable OSD hot key combinations

DC 12V, 24V and 48V DC Power options

Designed for:

Sun microsystems, IBM, hp, DELL, SOLARIS, Mac, Windows, Linux

Accessories



DG-100SD
DVI-USB dongle

DG-100S
VGA-USB dongle

DG-100
VGA-PS/2 dongle

CMC-3
3ft Matrix KVM cascade cable

CU-3 CU-10
CU-6 CU-15 CU-33
Cat6 cable - 3, 6, 10, 15 & 33 ft

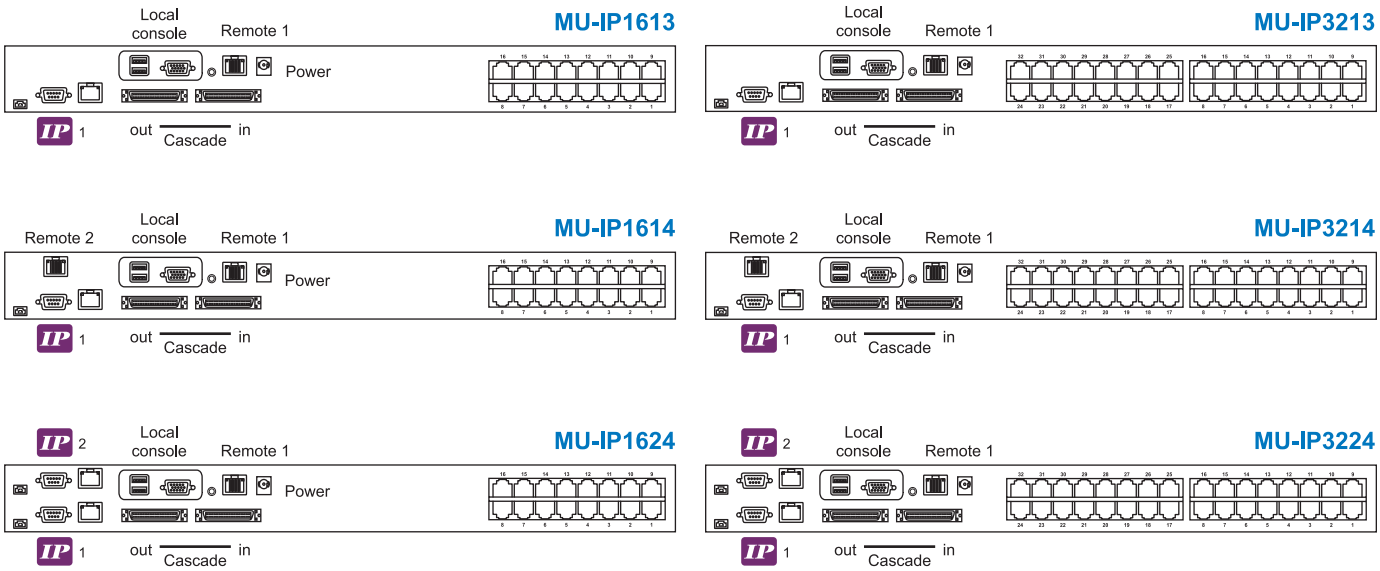
Technical Specification

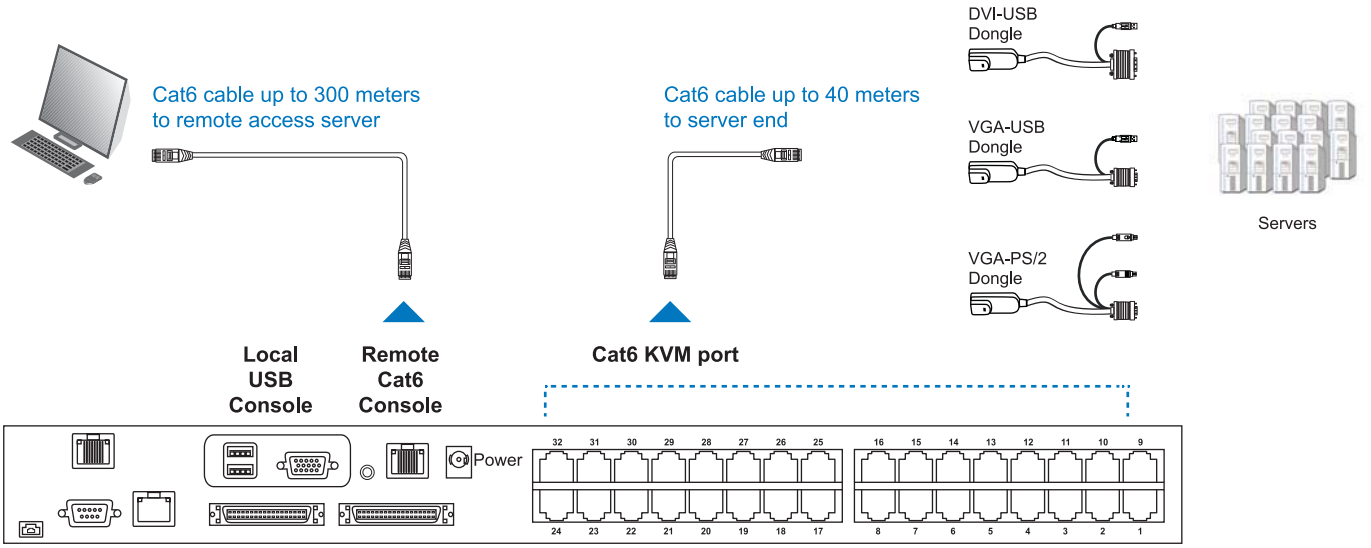
- **KVM Port :** 32 / 16 x RJ45 connector
- **KVM Dongle :**
  DVI-D / VGA connector dongle up to 40 meters (132 feet)
  Cat6 / Cat5 cable
- **Simultaneous Console Access**
  - Local : 1 x DB-15 VGA (up to 1600 x 1200), 2 x USB for KB & MS
  - Remote (1 or 2) : 1 x RJ45, up to 300 meters (1000 feet) Cat6 / Cat5 cable
  - IP Access (1 or 2) : 1 x RJ45 Ethernet, 1 x DB-9 serial & 1 x USB port
  - IP Security : SSL v3, RSA, AES, CSR, http & https internet access
    15-user login (1 x active user)
- **Remote Receiver (1 or 2) :**
  1 x DB-15 VGA (up to 1600 x 1200), 2 x USB for KB & MS
  1 x KVM port for connecting an extra PC
- **Expansion :** Support mixed DB-15 or RJ45 Matrix KVM, up to 256 servers
- **Compatibility :**
  Mix PCs, SUNs, MACs, IBMs, HPs, DELLs server
  Windows Vista / 2003 / XP / 2000, Linux, Netware, Unix
- **Power :** 100~240VAC, 50 / 60Hz 0.5A via AC / DC cord
- **Regulatory Approval :** FCC, CE
- **Environmental**
  - Operating / Storage : 0 to 50°C / -5 to 60°C
  - Relative humidity : 90%, non-condensing
  - Shock : 50G peak acceleration (11 ms, half-sine wave)
  - Vibration : 58~100Hz / 0.98G (11ms / cycle)

Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
MU-IP1613 / 1614 / 1624 MU-IP3213 / 3214 / 3224	448 x 180 x 44 mm 17.6 x 7.1 x 1.73 inch	510 x 400 x 77 mm 20.1 x 15.7 x 3 inch	4 kg / 9 lbs	7 kg / 15 lbs

CyberView™ — Connect your *Matrix* Multi-User Cat6 *IP* KVM





- Cascade up to 8 levels, 256 servers
- Interconnection with Matrix DB-15 KVM

Model	Additional	
	IP	Remote
MU-IP1613	1	0
MU-IP3213	1	0
MU-IP1614	1	1
MU-IP3214	1	1
MU-IP1624	2	0
MU-IP3224	2	0

M-802 / 1602
M-803 / 1603 New
M-804 / 1604

Matrix Multi-User DB-15 KVM Benefits

- **Efficient system management with simultaneous multi-user access**
- **Capable of connecting 8 or 16 servers per device in 1U**
- **Multi-platform servers shared by different consoles in cascade connection**
- **Mix PS/2, USB & SUN with Multi-Platform switch capability**
- **Extended Cat6 cord remote access over 300M**
- **Provide a diversity of consoles to access servers independently & simultaneously**

Designed for:

Sun microsystems, IBM, hp, DELL, SOLARIS®, Mac, Windows, Linux

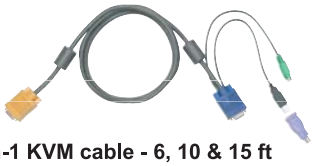
Switch Features & Options

- Mix Legacy PS/2 servers with newer USB and SUN solutions
- Greater distances between your switch and servers allow enhanced data centre rack layouts
- Multi lingual on screen display menu
- Advanced user profiles and configurable OSD hot key combinations

DC 12V, 24V and 48V DC Power options

Accessories

CE-6
CE-10
CE-15



Combo 4-in-1 KVM cable - 6, 10 & 15 ft

CMC-3

3ft Matrix KVM cascade cable

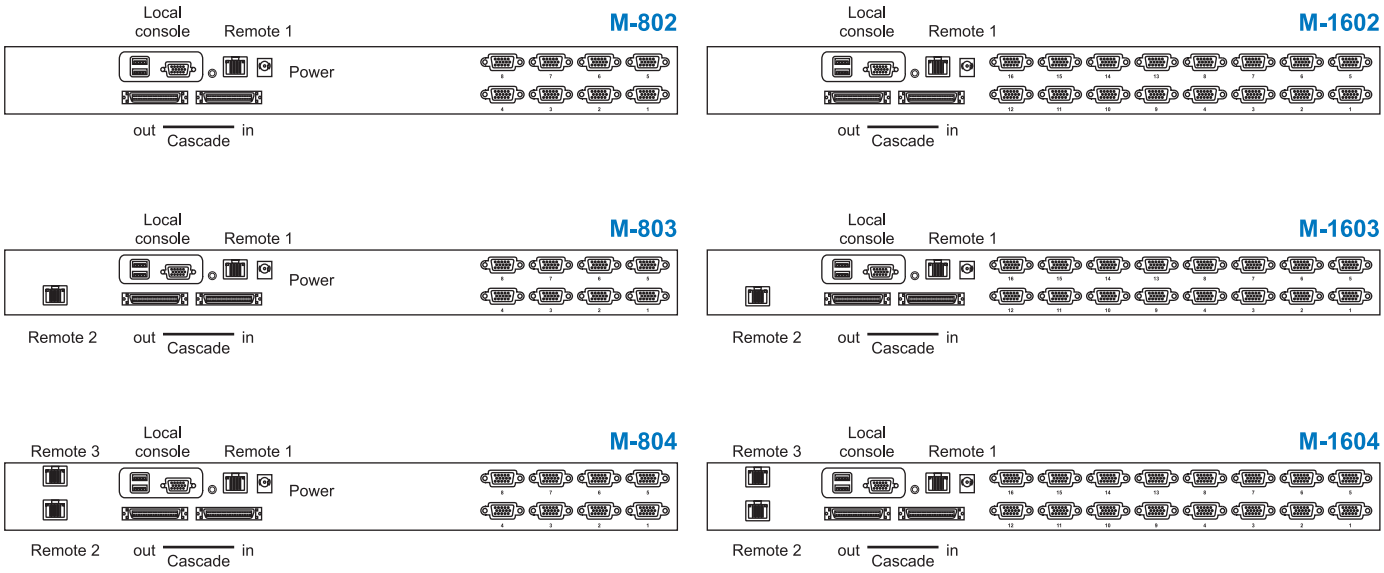
Technical Specification

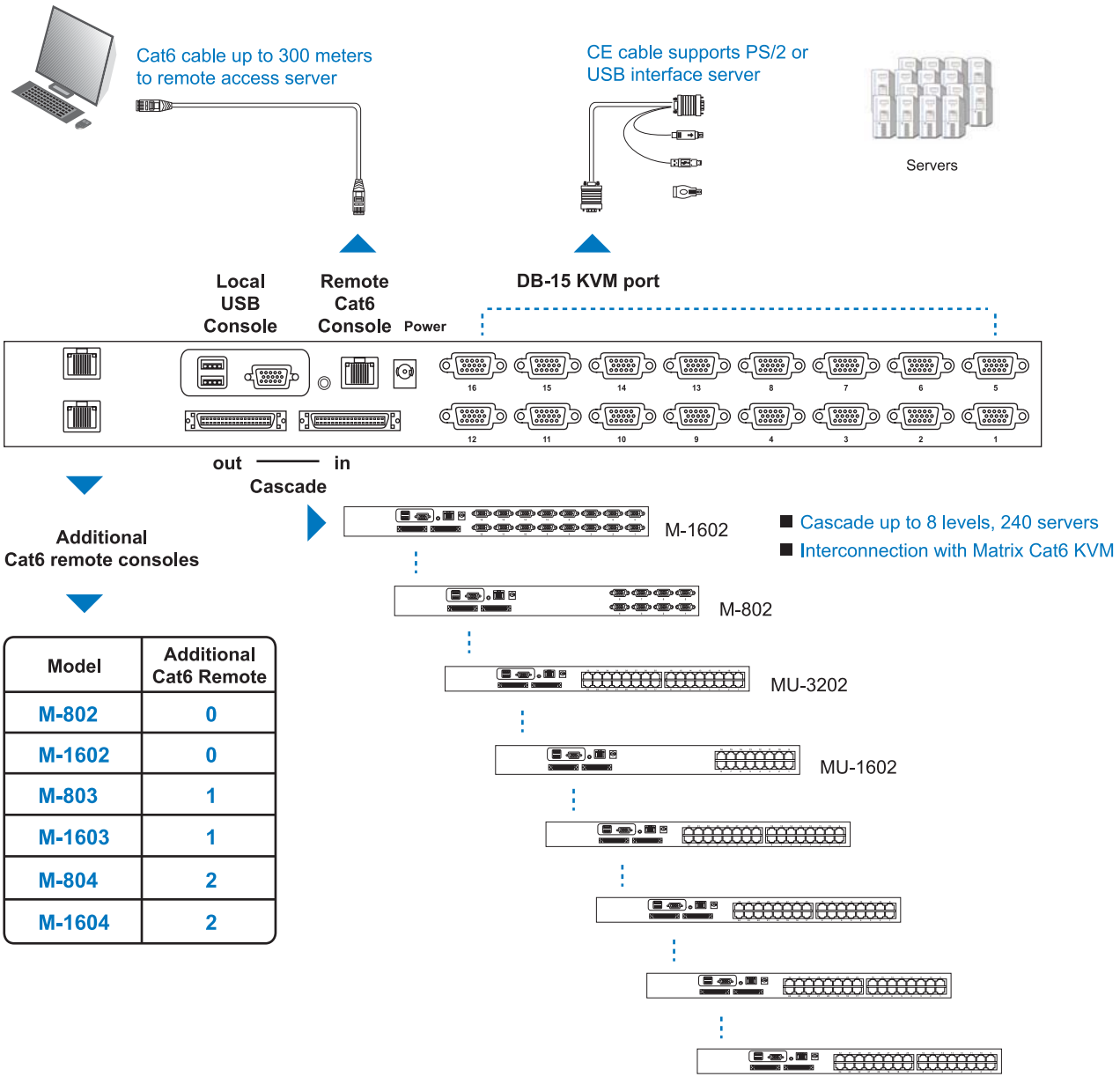
- **KVM Port :** 16 / 8 x DB-15 combo connector
- **KVM cable :** Combo 4-in-1 KVM cable up to 6, 10 & 15 feet
- **Simultaneous Console Access**
  - Local : 1 x DB-15 VGA (up to 1600 x 1200), 2 x USB for KB & MS
  - Remote (1, 2 or 3) : 1 x RJ45, up to 300 meters (1000 feet) Cat6 / Cat5 cable
- **Remote Receiver (1, 2 or 3) :**
  1 x DB-15 VGA (up to 1600 x 1200), 2 x USB for KB & MS
  1 x KVM port for connecting an extra PC
- **Expansion :** Support mixed DB-15 or RJ45 Matrix KVM, up to 240 servers
- **Compatibility :**
  Mix PCs, SUNs, MACs, IBMs, HPs, DELLs server
  Windows Vista / 2003 / XP / 2000, Linux, Netware, Unix
- **Power :** 100~240VAC, 50 / 60Hz 0.5A via AC / DC cord
- **Regulatory Approval :** FCC, CE
- **Environmental**
  - Operating / Storage : 0 to 50°C / -5 to 60°C
  - Relative humidity : 90%, non-condensing
  - Shock : 50G peak acceleration (11 ms, half-sine wave)
  - Vibration : 58~100Hz / 0.98G (11ms / cycle)

Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
M-802 / 803 / 804 M-1602 / 1603 / 1604	448 x 180 x 44 mm 17.6 x 7.1 x 1.73 inch	510 x 400 x 77 mm 20.1 x 15.7 x 3 inch	4 kg / 9 lbs	7 kg / 15 lbs

CyberView™ — Connect your *Matrix* Multi-User DB-15 KVM





Model	Additional Cat6 Remote
M-802	0
M-1602	0
M-803	1
M-1603	1
M-804	2
M-1604	2

M-IP813 / 1613
M-IP814 / 1614 New
M-IP824 / 1624

Designed for:

Sun microsystems, IBM, hp, DELL, SOLARIS, Mac, Windows, Linux

Matrix Multi-User DB-15 IP KVM Benefits

- **Secure IP remote user access across the world wide web**
- **Efficient system management with simultaneous multi-user access**
- **Capable of connecting 8 or 16 servers per device in 1U**
- **Multi-platform servers shared by different consoles in cascade connection**
- **Mix PS/2, USB & SUN with Multi-Platform switch capability**
- **Extended Cat6 cord remote access over 300M**
- **Provide a diversity of consoles to access servers independently & simultaneously**

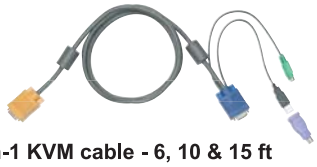
Switch Features & Options

- Mix Legacy PS/2 servers with newer USB and SUN solutions
- Greater distances between your switch and servers allow enhanced data centre rack layouts
- Multi lingual on screen display menu
- Advanced user profiles and configurable OSD hot key combinations

DC 12V, 24V and 48V DC Power options

Accessories

CE-6
CE-10
CE-15



Combo 4-in-1 KVM cable - 6, 10 & 15 ft

CMC-3

3ft Matrix KVM cascade cable

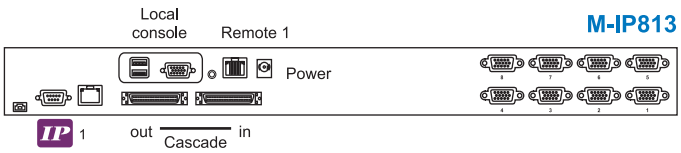
Technical Specification

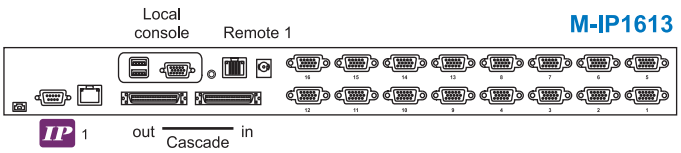
- **KVM Port :** 16 / 8 x DB-15 combo connector
- **KVM cable :** Combo 4-in-1 KVM cable up to 6, 10 & 15 feet
- **Simultaneous Console Access**
  - Local : 1 x DB-15 VGA (up to 1600 x 1200), 2 x USB for KB & MS
  - Remote (1 or 2) : 1 x RJ45, up to 300 meters (1000 feet) Cat6 / Cat5 cable
  - IP Access (1 or 2) : 1 x RJ45 Ethernet, 1 x DB-9 serial & 1 x USB port
  - IP Security : SSL v3, RSA, AES, CSR, http & https internet access
  - 15-user login (1 x active user)
- **Remote Receiver (1 or 2) :** 1 x DB-15 VGA (up to 1600 x 1200), 2 x USB for KB & MS, 1 x KVM port for connecting an extra PC
- **Expansion :** Support mixed DB-15 or RJ45 Matrix KVM, up to 240 servers
- **Compatibility :** Mix PCs, SUNs, MACs, IBMs, HPs, DELLs server, Windows Vista / 2003 / XP / 2000, Linux, Netware, Unix
- **Power :** 100~240VAC, 50 / 60Hz 0.5A via AC / DC cord
- **Regulatory Approval :** FCC, CE
- **Environmental**
  - Operating / Storage : 0 to 50°C / -5 to 60°C
  - Relative humidity : 90%, non-condensing
  - Shock : 50G peak acceleration (11 ms, half-sine wave)
  - Vibration : 58~100Hz / 0.98G (11ms / cycle)

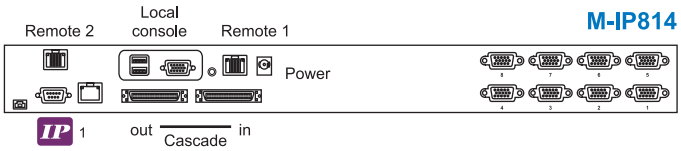
Dimensions

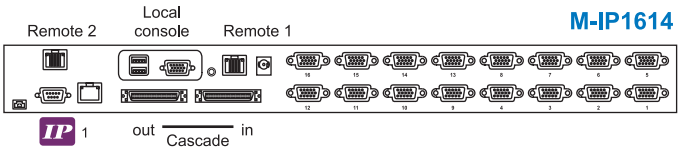
Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
M-IP813 / 814 / 824 M-IP1613 / 1614 / 1624	448 x 180 x 44 mm 17.6 x 7.1 x 1.73 inch	510 x 400 x 77 mm 20.1 x 15.7 x 3 inch	4 kg / 9 lbs	7 kg / 15 lbs

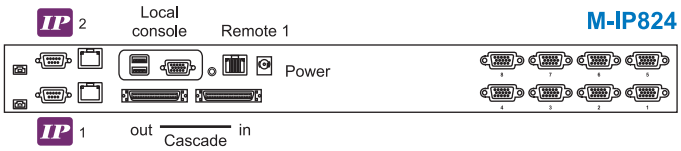
CyberView™ — Connect your *Matrix* Multi-User DB-15 *IP* KVM

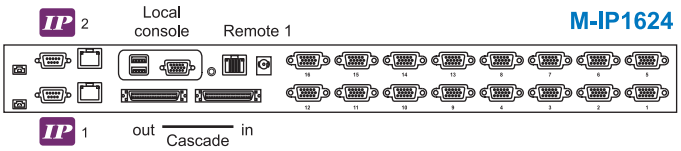


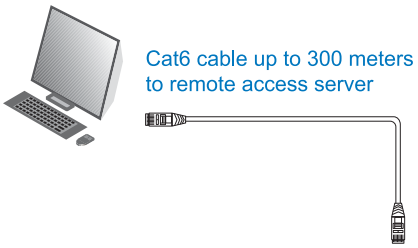


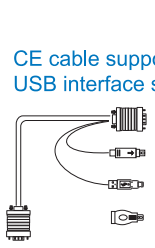


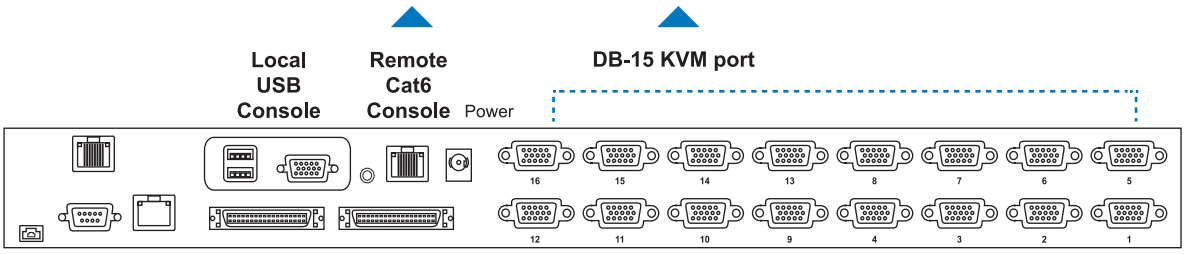




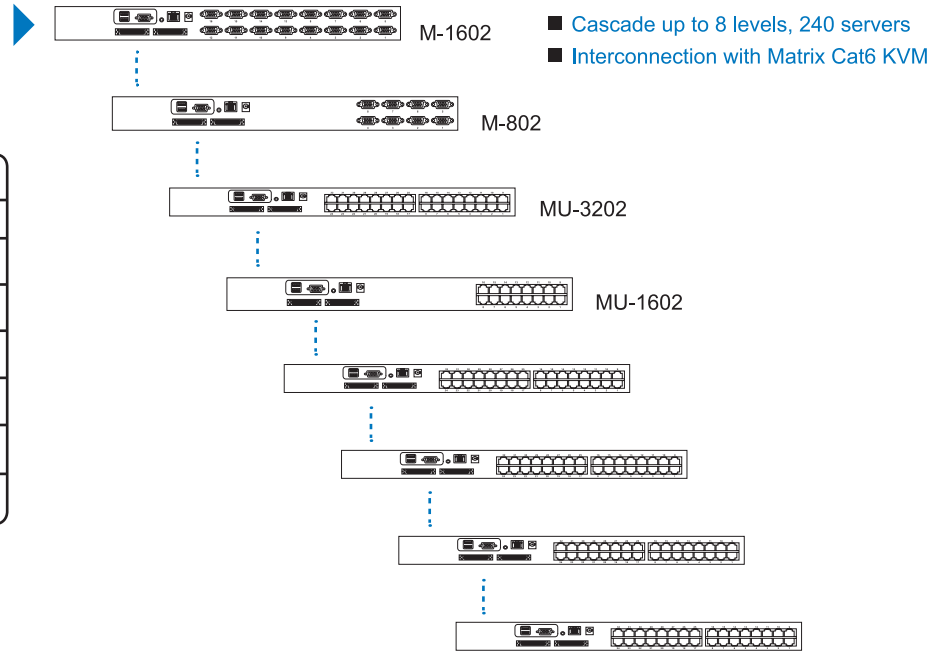








Additional
IP or remote consoles



- Cascade up to 8 levels, 240 servers
- Interconnection with Matrix Cat6 KVM

Model	Additional	
	IP	Remote
M-IP813	1	0
M-IP1613	1	0
M-IP814	1	1
M-IP1614	1	1
M-IP824	2	0
M-IP1624	2	0

U-801 / U-1601 / U-3201

Combo Cat6 KVM Benefits

- **Combo Cat6 KVM with either 8, 16 or 32 ports in 1U**
- **Up to 40 meters between your servers & KVM ports**
- **Cascade switches up to 8 levels & Mix switches between Cat6 & Combo DB-15 KVM**
- **Support DVI-USB, VGA-USB & VGA-PS/2 server interface**
- **Mix PS/2, USB & SUN with Multi-Platform switch capability**

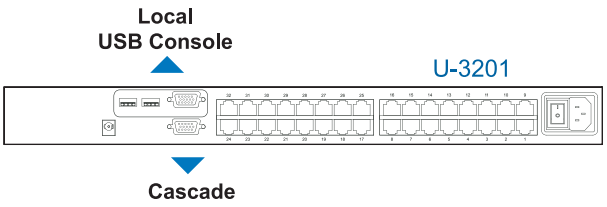
Designed for:

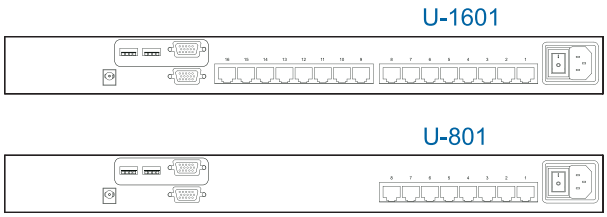
Sun microsystems, IBM, hp, DELL, SOLARIS®, Microsoft Windows Server 2003, Linux

Switch Features & Options

- Multi lingual on screen display menu
- Advanced user profiles and configurable OSD hot key combinations
- Dual power with failover

DC 12V, 24V and 48V DC Power options





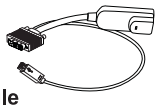
Technical Specification

- **KVM Port :** 32 / 16 / 8 x RJ45 connector
- **KVM Dongle :**
  DVI-D / VGA connector dongle up to 40 meters (132 feet)
  Cat6 / Cat5 cable
- **Local Console :**
  1 x DB-15 VGA (up to 1600 x 1200), 2 x USB for KB & MS
- **Expansion :** Support mixed Combo Cat6 or Combo DB-15 KVM, up to 256 servers
- **Compatibility :**
  Mix PCs, SUNs, MACs, IBMs, HPs, DELLs server
  Windows Vista / 2003 / XP / 2000, Linux, Netware, Unix
- **Power :** 100~240VAC, 50 / 60Hz 0.3A via IEC type cord (12V / 24V / 48V DC input option)
- **Regulatory Approval :** FCC, CE
- **Environmental**

Operating / Storage :	0 to 50°C / -5 to 60°C
Relative humidity :	90%, non-condensing
Shock :	50G peak acceleration (11 ms, half-sine wave)
Vibration :	58~100Hz / 0.98G (11ms / cycle)

Accessories

DG-100SD
DVI-USB dongle



DG-100S
VGA-USB dongle

DG-100
VGA-PS/2 dongle

CBC-6
6ft Combo KVM cascade cable

CU-3 CU-10
CU-6 CU-15 CU-33
Cat6 cable - 3, 6, 10, 15 & 33 ft

Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
U-801 U-1601 U-3201	446 x 180 x 44 mm 17.6 x 7.1 x 1.73 inch	510 x 400 x 77 mm 20.1 x 15.7 x 3 inch	4 kg / 9 lbs	7 kg / 15 lbs

U-802 / U-1602 / U-3202

Combo Cat6 Two Console KVM Benefits

- **Combo Cat6 KVM with either 8, 16 or 32 ports in 1U**
- **Up to 40 meters between your servers & KVM ports**
- **Remote access up to 300 meters**
- **Cascade switches up to 8 levels & Mix switches between Cat6 & Combo DB-15 KVM**
- **Support DVI-USB, VGA-USB & VGA-PS/2 server interface**
- **Mix PS/2, USB & SUN with Multi-Platform switch capability**

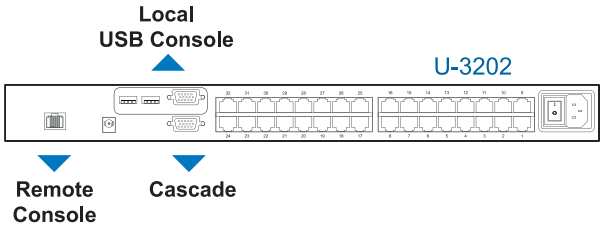
Designed for:

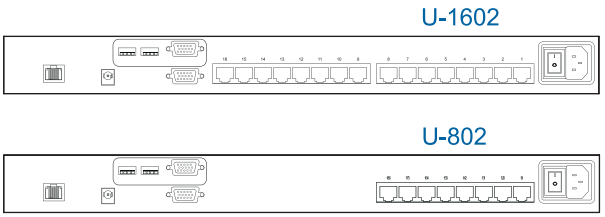
Sun microsystems, IBM, hp, DELL, SOLARIS®, Microsoft Windows Server 2003, Linux

Switch Features & Options

- Multi lingual on screen display menu
- Advanced user profiles and configurable OSD hot key combinations
- Dual power with failover

DC 12V, 24V and 48V DC Power options



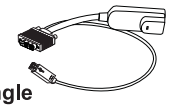


Technical Specification

- **KVM Port :** 32 / 16 / 8 x RJ45 connector
- **KVM Dongle :**
  DVI-D / VGA connector dongle up to 40 meters (132 feet)
  Cat6 / Cat5 cable
- **Console**
  Local : 1 x DB-15 VGA (up to 1600 x 1200), 2 x USB for KB & MS
  Remote : 1 x RJ45, up to 300 meters (1000 feet) Cat6 / Cat5 cable
- **Remote Receiver :**
  1 x VGA port (up to 1600 x 1200), 2 x USB for KB & MS
  1 x KVM port for connecting an extra PC
- **Expansion :** Support mixed Combo Cat6 or Combo DB-15 KVM, up to 256 servers
- **Compatibility :**
  Mix PCs, SUNs, MACs, IBMs, HPs, DELLs server
  Windows Vista / 2003 / XP / 2000, Linux, Netware, Unix
- **Power :** 100~240VAC, 50 / 60Hz 0.3A via IEC type cord (12V / 24V / 48V DC input option)
- **Regulatory Approval :** FCC, CE
- **Environmental**
  Operating / Storage : 0 to 50°C / -5 to 60°C
  Relative humidity : 90%, non-condensing
  Shock : 50G peak acceleration (11 ms, half-sine wave)
  Vibration : 58~100Hz / 0.98G (11ms / cycle)

Accessories

DG-100SD
DVI-USB dongle



DG-100S
VGA-USB dongle

DG-100
VGA-PS/2 dongle

CBC-6
6ft Combo KVM cascade cable

CU-3 CU-10
CU-6 CU-15 CU-33
Cat6 cable - 3, 6, 10, 15 & 33 ft

Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
U-802 U-1602 U-3202	446 x 180 x 44 mm 17.6 x 7.1 x 1.73 inch	510 x 400 x 77 mm 20.1 x 15.7 x 3 inch	4 kg / 9 lbs	7 kg / 15 lbs

U-IP802 / U-IP1602 / U-IP3202

Combo Cat6 IP KVM Benefits

- **Combo Cat6 KVM with either 8, 16 or 32 ports in 1U**
- **Up to 40 meters between your servers & KVM ports**
- **IP remote access across the world wide web**
- **Cascade switches up to 8 levels & Mix switches between Cat6 & Combo DB-15 KVM**
- **Support DVI-USB, VGA-USB & VGA-PS/2 server interface**
- **Mix PS/2, USB & SUN with Multi-Platform switch capability**

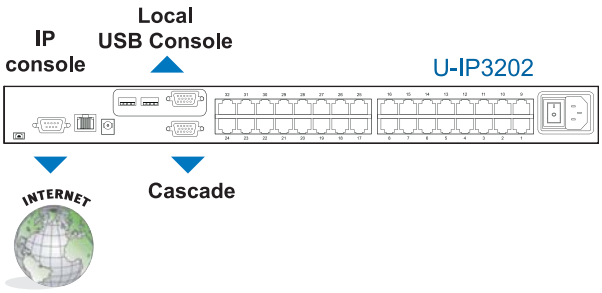
Designed for:

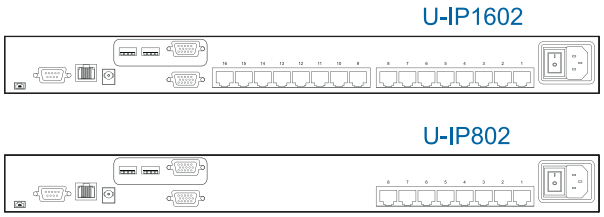
Sun microsystems, IBM, hp, DELL, SOLARIS®, Windows Server 2003, Linux

Switch Features & Options

- Multi lingual on screen display menu
- Advanced user profiles and configurable OSD hot key combinations
- Dual power with failover

DC 12V, 24V and 48V DC Power options



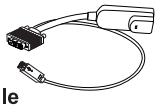


Technical Specification

- **KVM Port :** 32 / 16 / 8 x RJ45 connector
- **KVM Dongle :**
  DVI-D / VGA connector dongle up to 40 meters (132 feet)
  Cat6 / Cat5 cable
- **Console**
  - Local : 1 x DB-15 VGA (up to 1600 x 1200), 2 x USB for KB & MS
  - IP Access : 1 x RJ45 Ethernet, 1 x DB-9 serial & 1 x USB port
  - IP Security : SSL v3, RSA, AES, CSR, http & https internet access
    15-user login (1 x active user)
- **Expansion :** Support mixed Combo Cat6 or Combo DB-15 KVM, up to 256 servers
- **Compatibility :**
  Mix PCs, SUNs, MACs, IBMs, HPs, DELLs server
  Windows Vista / 2003 / XP / 2000, Linux, Netware, Unix
- **Power :** 100~240VAC, 50 / 60Hz 0.3A via IEC type cord (12V / 24V / 48V DC input option)
- **Regulatory Approval :** FCC, CE
- **Environmental**
  - Operating / Storage : 0 to 50°C / -5 to 60°C
  - Relative humidity : 90%, non-condensing
  - Shock : 50G peak acceleration (11 ms, half-sine wave)
  - Vibration : 58~100Hz / 0.98G (11ms / cycle)

Accessories

DG-100SD
DVI-USB dongle



DG-100S
VGA-USB dongle

DG-100
VGA-PS/2 dongle

CBC-6
6ft Combo KVM cascade cable

CU-3 CU-10
CU-6 CU-15 CU-33
Cat6 cable - 3, 6, 10, 15 & 33 ft

Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
U-IP802 U-IP1602 U-IP3202	446 x 180 x 44 mm 17.6 x 7.1 x 1.73 inch	510 x 400 x 77 mm 20.1 x 15.7 x 3 inch	4 kg / 9 lbs	7 kg / 15 lbs

CV-S801 / CV-S1601

Combo DB-15 KVM Benefits

- **Combo DB-15 KVM with either 8 or 16 ports in 1U**
- **Cascade switches up to 8 levels & Mix switches between Cat6 & Combo DB-15 KVM**
- **Mix PS/2, USB & SUN with Multi-Platform switch capability**
- **Support native SUN 1152 x 900 resolution**
- **Hot pluggable, no software or drivers required**
- **Easy & quick installation**

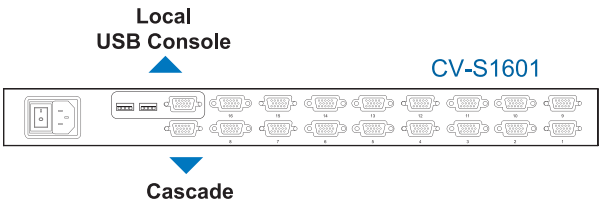
Designed for:

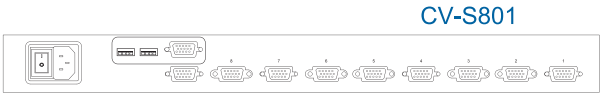
Sun microsystems · IBM · hp · DELL · SOLARIS® · Windows Server 2003 · Linux

Switch Features & Options

- Multi lingual on screen display menu
- Advanced user profiles and configurable OSD hot key combinations
- Dual power with failover

DC 12V, 24V and 48V DC Power options





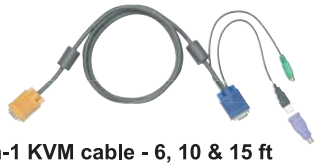
Technical Specification

- **KVM Port :** 16 / 8 x DB-15 combo connector
- **KVM Cable :**
  Combo 4-in-1 KVM cable, up to 6, 10 & 15 feet
- **Local Console :**
  1 x DB-15 VGA (up to 1600 x 1200), 2 x USB for KB & MS
- **Expansion :** Support mixed Combo Cat6 or Combo DB-15 KVM, up to 240 servers
- **Compatibility :**
  Mix PCs, SUNs, MACs, IBMs, HPs, DELLs server
  Windows Vista / 2003 / XP / 2000, Linux, Netware, Unix
- **Power :** 100~240VAC, 50 / 60Hz 0.3A via IEC type cord (12V / 24V / 48V DC input option)
- **Regulatory Approval :** FCC, CE
- **Environmental**

Operating / Storage :	0 to 50°C / -5 to 60°C
Relative humidity :	90%, non-condensing
Shock :	50G peak acceleration (11 ms, half-sine wave)
Vibration :	58~100Hz / 0.98G (11ms / cycle)

Accessories

CE-6
CE-10
CE-15



Combo 4-in-1 KVM cable - 6, 10 & 15 ft

CBC-6

6ft Combo KVM cascade cable

Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
CV-S801 CV-S1601	446 x 180 x 44 mm 17.6 x 7.1 x 1.73 inch	510 x 400 x 77 mm 20.1 x 15.7 x 3 inch	4 kg / 9 lbs	4.5 kg / 10 lbs

CV-802 / CV-1602

Combo DB-15 Two Console KVM Benefits

- **Combo DB-15 KVM with either 8 or 16 ports in 1U**
- **Remote access up to 300 meters**
- **Cascade switches up to 8 levels & Mix switches between Cat6 & Combo DB-15 KVM**
- **Mix PS/2, USB & SUN with Multi-Platform switch capability**
- **Cost efficient remote server management between user & equipment rooms within the building**

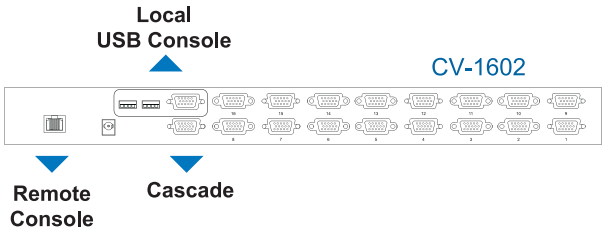
Designed for:

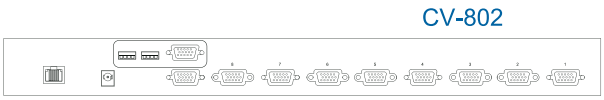
Sun microsystems, IBM, hp, DELL, SOLARIS®, Microsoft Windows Server 2003, Linux

Switch Features & Options

- Multi lingual on screen display menu
- Advanced user profiles and configurable OSD hot key combinations
- Dual power with failover

DC 12V, 24V and 48V DC Power options



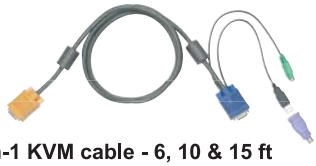


Technical Specification

- **KVM Port :** 16 / 8 x DB-15 connector
- **KVM Cable :**
  Combo 4-in-1 KVM cable, up to 6, 10 & 15 feet
- **Console**
  Local : 1 x DB-15 VGA (up to 1600 x 1200), 2 x USB for KB & MS
  Remote : 1 x RJ45, up to 300 meters (1000 feet) Cat6 / Cat5 cable
- **Remote Receiver :**
  1 x VGA port (up to 1600 x 1200), 2 x USB for KB & MS
  1 x KVM port for connecting an extra PC
- **Expansion :** Support mixed Combo Cat6 or Combo DB-15 KVM, up to 240 servers
- **Compatibility :**
  Mix PCs, SUNs, MACs, IBMs, HPs, DELLs server
  Windows Vista / 2003 / XP / 2000, Linux, Netware, Unix
- **Power :** 100~240VAC, 50 / 60Hz 0.3A via IEC type cord (12V / 24V / 48V DC input option)
- **Regulatory Approval :** FCC, CE
- **Environmental**
  Operating / Storage : 0 to 50°C / -5 to 60°C
  Relative humidity : 90%, non-condensing
  Shock : 50G peak acceleration (11 ms, half-sine wave)
  Vibration : 58~100Hz / 0.98G (11ms / cycle)

Accessories

CE-6
CE-10
CE-15



Combo 4-in-1 KVM cable - 6, 10 & 15 ft

CBC-6

6ft Combo KVM cascade cable

Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
CV-802 CV-1602	446 x 180 x 44 mm 17.6 x 7.1 x 1.73 inch	510 x 400 x 77 mm 20.1 x 15.7 x 3 inch	4 kg / 9 lbs	4.5 kg / 10 lbs

IP-802 / IP-1602

Combo DB-15 IP KVM Benefits

- **Combo DB-15 KVM with either 8 or 16 ports in 1U**
- **IP remote access across the world wide web**
- **Cascade switches up to 8 levels & Mix switches between Cat6 & Combo DB-15 KVM**
- **Mix PS/2, USB & SUN with Multi-Platform switch capability**
- **Cost efficient remote server management between national / global sites**

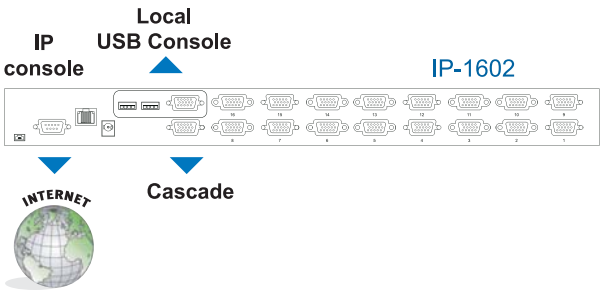
Designed for:

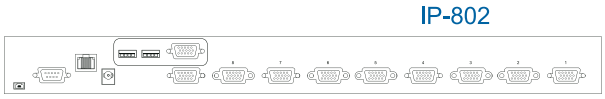
Sun microsystems, IBM, hp, DELL, SOLARIS®, Microsoft Windows Server 2003, Linux

Switch Features & Options

- Multi lingual on screen display menu
- Advanced user profiles and configurable OSD hot key combinations
- Dual power with failover

DC 12V, 24V and 48V DC Power options





Technical Specification

- **KVM Port :** 16 / 8 x DB-15 combo connector
- **KVM Cable :** Combo 4-in-1 KVM cable, up to 6, 10 & 15 feet
- **Console**
  - Local : 1 x DB-15 VGA (up to 1600 x 1200), 2 x USB for KB & MS
  - IP Access : 1 x RJ45 Ethernet, 1 x DB-9 serial & 1 x USB port
  - IP Security : SSL v3, RSA, AES, CSR, http & https internet access
  - 15-user login (1 x active user)
- **Expansion :** Support mixed Combo Cat6 or Combo DB-15 KVM, up to 240 servers
- **Compatibility :** Mix PCs, SUNs, MACs, IBMs, HPs, DELLs server Windows Vista / 2003 / XP / 2000, Linux, Netware, Unix
- **Power :** 100~240VAC, 50 / 60Hz 0.3A via IEC type cord (12V / 24V / 48V DC input option)
- **Regulatory Approval :** FCC, CE
- **Environmental**
  - Operating / Storage : 0 to 50°C / -5 to 60°C
  - Relative humidity : 90%, non-condensing
  - Shock : 50G peak acceleration (11 ms, half-sine wave)
  - Vibration : 58~100Hz / 0.98G (11ms / cycle)

Accessories

CE-6
CE-10
CE-15

Combo 4-in-1 KVM cable - 6, 10 & 15 ft

CBC-6

6ft Combo KVM cascade cable

Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
IP-802	446 x 180 x 44 mm 17.6 x 7.1 x 1.73 inch	510 x 400 x 77 mm 20.1 x 15.7 x 3 inch	4.5 kg / 10 lbs	5.5 kg / 12 lbs
IP-1602	446 x 180 x 44 mm 17.6 x 7.1 x 1.73 inch	510 x 400 x 77 mm 20.1 x 15.7 x 3 inch	5 kg / 11 lbs	6 kg / 13 lbs

CV-401 / CV-801 / CV-1601

PS/2 DB-15 KVM Benefits

- **PS/2 DB-15 KVM with either 4, 8 or 16 ports in 1U**
- **Mix PS/2, USB & SUN with Multi-Platform switch capability**
- **Low cost reliable PS/2 based server management**
- **No software or drivers required**
- **Easy & quick installation**

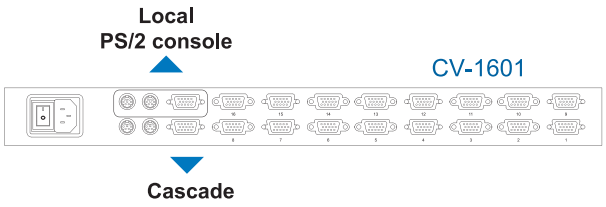
Designed for:

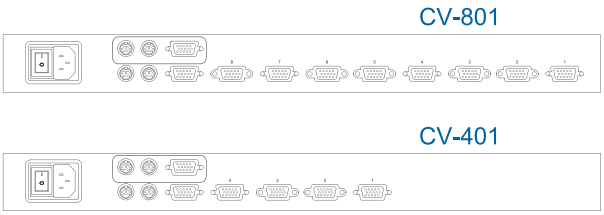
Sun microsystems, IBM, hp, DELL, SOLARIS®, Microsoft Windows Server 2003, Linux

Switch Features & Options

- Multi lingual on screen display menu
- Advanced user profiles and configurable OSD hot key combinations
- Dual power with failover

DC 12V, 24V and 48V DC Power options





Technical Specification

- **KVM Port :** 16 / 8 / 4 x DB-15 connector
- **KVM Cable :**
  PS/2 3-in-1 KVM cable, up to 6, 10, 15 & 33 feet
- **Local Console :**
  1 x DB-15 VGA (up to 1600 x 1200), 2 x PS/2 for KB & MS
- **Expansion :** Up to 128 servers by 8-level cascade
- **Compatibility :**
  Mix PCs, SUNs, MACs, IBMs, HPs, DELLs server
  Windows Vista / 2003 / XP / 2000, Linux, Netware, Unix

- **Power :** 100~240VAC, 50 / 60Hz 0.3A via IEC type cord
  (12V / 24V / 48V DC input option)
- **Regulatory Approval :** FCC, CE
- **Environmental**

Operating / Storage :	0 to 50°C / -5 to 60°C
Relative humidity :	90%, non-condensing
Shock :	50G peak acceleration (11 ms, half-sine wave)
Vibration :	58~100Hz / 0.98G (11ms / cycle)

Accessories

CD-6 CD-15
CD-10 CD-33

PS/2 3-in-1 KVM cable - 6, 10, 15 & 33 ft

SUN-31 kit

PS/2 to SUN / USB adapter

CA-6

6ft PS/2 KVM cascade cable

Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
CV-401	446 x 200 x 44 mm 17.6 x 7.9 x 1.73 inch	510 x 400 x 77 mm 20.1 x 15.7 x 3 inch	3.5 kg / 8 lbs	4 kg / 9 lbs
CV-801 / 1601	446 x 180 x 44 mm 17.6 x 7.1 x 1.73 inch	510 x 400 x 77 mm 20.1 x 15.7 x 3 inch	4 kg / 9 lbs	4.5 kg / 10 lbs

CV-S101 Combo KVM Extender

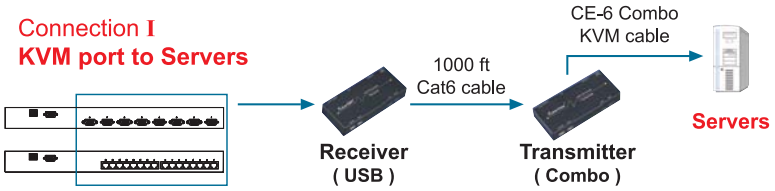
New

- Remote console up to 300M (1000 feet)
- Dual user access at remote site
- Pure hardware solution makes network independent
- No software required

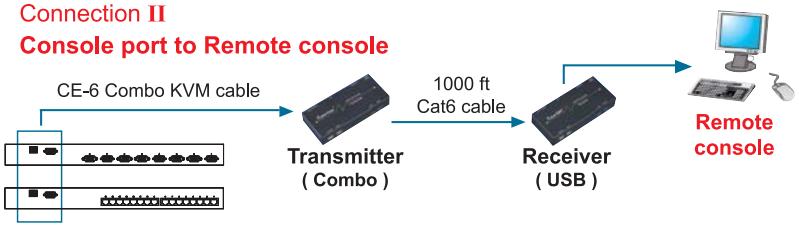
Sun IBM hp DELL Windows Linux

- **Console port**
  - Graphic connector : HDDB 15-pin VGA
  - Resolution : Up to 1600 x 1200
  - Input device : 2 x USB type A for KB & MS
- **Remote port** Cat6 / Cat5 cable up to 300m
- **Receiver Power** 100~240VAC via AC adapter
- **LED indicator & control**
  - Transmitter LED : Power & access LED
  - Receiver Control : Front panel push button for switching local & remote port
- **PC port** VGA & Combo keyboard mouse
- **Dimensions**
  - Receiver - 158 x 71 x 30 mm
  - Transmitter - 158 x 71 x 30 mm

Connection I
KVM port to Servers



Connection II
Console port to Remote console

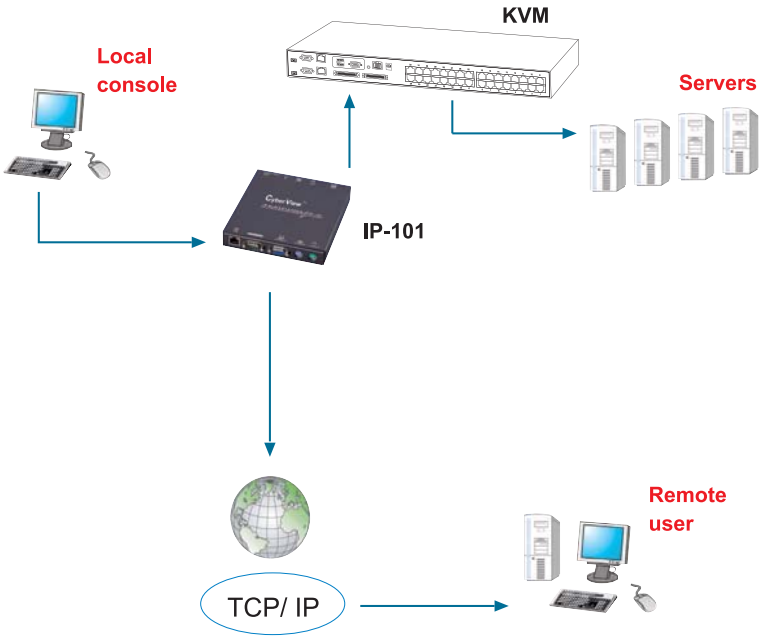


IP-101 *IP* KVM Extender

- Compatible with all branded KVM switches
- IP Remote access from any location via web browser
- Maintaining servers across the world up to BIOS level

Sun IBM hp DELL Windows Linux

- **KVM Port**
  - Graphic connector : HDDB 15-pin VGA
  - Input device : 2 x PS/2 for KB & MS
- **Console**
  - Graphic connector : HDDB 15-pin VGA
  - Input device : 2 x PS/2 for KB & MS
- **IP Remote Console**
  - Connector : RJ45 Ethernet
  - User management : 15-user login, 1 x active user
  - Network protocol DHCP / BOOTP / DNS
  - Security : SSL v3, RSA, AES, HTTP / HTTPs, CSR
  - Resolution : 1600 x 1200
  - Browser : IE, Firefox, Safari, Netscape
  - Others : Serial port, virtual media via USB
- **Power** 100~240VAC via AC adapter
- **Dimensions** 143 x 156 x 28 mm



L-120

New

LCD Drawer & KVM Benefits

- **Multi-user Matrix KVM with either 16 or 32 ports in 1U**
- **Cost efficient Combo KVM integration**
- **Ultra high resolution 1600 x 1200**
- **Mix PS/2, USB & SUN with Multi-Platform switch capability**

Drawer Features & Options

- 1U rackmount drawer with 20" LCD
- Combo interface either PS/2 or USB input to the LCD drawer
- Multiple keyboard language selections with 2 button touchpad
- Enhanced aesthetics with new molded front panel and two point lock

Sun microsystems IBM hp DELL Windows Linux

Options

page 103~104 for full details

AV BNC + S-Video

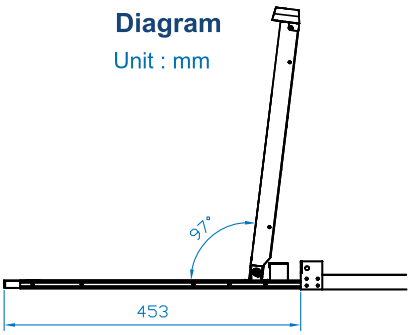
DVI DVI-D

DC DC Power

Audio

Diagram

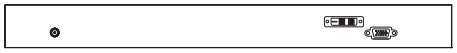
Unit : mm



BNC + S-Video

DC Power

DVI-D



Audio

Monitor

SAMSUNG Grade A 20" industrial TFT LCD panel

page 105 for full monitor details

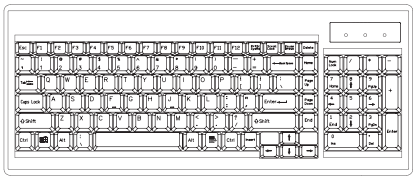
Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
L-120 Series	442 x 650 x 44 mm 17.4 x 25.6 x 1.73 inch	589 x 856 x 168 mm 23.2 x 33.7 x 6.6 inch	20 kg / 44 lbs	26 kg / 57 lbs

Keyboard Selection

Supporting layouts

N **N keyboard with full numerical pad**



page 106 for full keyboard details

KVM Selection

Base Model	20" LCD Series
• Single port w/o KVM • Combo interface	L-120

Matrix Cat6 KVM

page 23~38 for KVM specifications, page 107~110 for KVM rear I/O

2 consoles	*Matrix* Cat6 16 port	L120 - MU 1602
3 consoles		L120 - MU 1603
4 consoles		L120 - MU 1604
3 consoles	*Matrix* IP Cat6 16 port	L120 - MU IP 1613
4 consoles		L120 - MU IP 1614
4 consoles		L120 - MU IP 1624
2 consoles	*Matrix* Cat6 32 port	L120 - MU 3202
3 consoles		L120 - MU 3203
4 consoles		L120 - MU 3204
3 consoles	*Matrix* IP Cat6 32 port	L120 - MU IP 3213
4 consoles		L120 - MU IP 3214
4 consoles		L120 - MU IP 3224

Matrix DB-15 KVM

2 consoles	*Matrix* DB-15 8 port	L120 - M 802
3 consoles		L120 - M 803
4 consoles		L120 - M 804
3 consoles	*Matrix* IP DB-15 8 port	L120 - M IP 813
4 consoles		L120 - M IP 814
4 consoles		L120 - M IP 824
2 consoles	*Matrix* DB-15 16 port	L120 - M 1602
3 consoles		L120 - M 1603
4 consoles		L120 - M 1604
3 consoles	*Matrix* IP DB-15 16 port	L120 - M IP 1613
4 consoles		L120 - M IP 1614
4 consoles		L120 - M IP 1624

Combo Cat6 KVM

1 console	*Combo* Cat6 8 port	L120 - U 801
2 consoles		L120 - U 802
2 consoles		L120 - U IP 802
1 console	*Combo* Cat6 16 port	L120 - U 1601
2 consoles		L120 - U 1602
2 consoles		L120 - U IP 1602
1 console	*Combo* Cat6 32 port	L120 - U 3201
2 consoles		L120 - U 3202
2 consoles		L120 - U IP 3202

Combo DB-15 KVM

1 console	*Combo* DB-15 8 port	L120 - S 801
2 consoles		L120 - 802
2 consoles		L120 - IP 802
1 console	*Combo* DB-15 16 port	L120 - S 1601
2 consoles		L120 - 1602
2 consoles		L120 - IP 1602

PS/2 DB-15 KVM

1 console	DB-15 8 port	L120 - 801
	16 port	L120 - 1601

LS-120

New

SOLARIS®

Sun IBM hp DELL

Windows Linux

LCD Drawer & KVM Benefits

- **Multi-user Matrix KVM with either 16 or 32 ports in 1U**
- **Cost efficient Combo KVM integration**
- **Direct support for SUN Micro 1152 x 900 native resolution**
- **Ultra high resolution 1600 x 1200**
- **Mix PS/2, USB & SUN with Multi-Platform switch capability**
- **Secure remote user access across the world wide web**

Drawer Features & Options

- 1U rackmount drawer with 20" LCD
- Combo interface either PS/2 or USB input to the LCD drawer
- SUN key support including Stop, Cut, Paste, Compose etc
- US and UK keyboard language selections with touchpad
- Enhanced aesthetics with new molded front panel and two point lock

Options

page 103~104 for full details

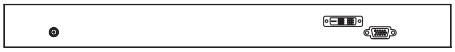
DVI

DVI-D

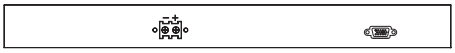
DC

DC Power

DVI-D

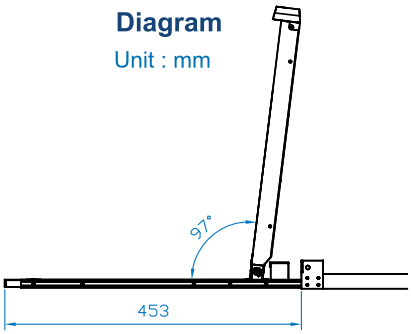


DC Power



Diagram

Unit : mm



Monitor

SAMSUNG Grade A 20" industrial TFT LCD panel

page 105 for full monitor details

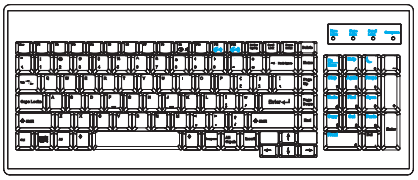
Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
LS-120 Series	442 x 650 x 44 mm 17.4 x 25.6 x 1.73 inch	589 x 856 x 168 mm 23.2 x 33.7 x 6.6 inch	20 kg / 44 lbs	26 kg / 57 lbs

Keyboard Selection

Supporting layouts USB interface, Incorporates SUN keys

NS **NS keyboard with full numerical pad and SUN function**



SOLARIS®

page 106 for full keyboard details

KVM Selection

Base Model	20" LCD Series
• Single port w/o KVM • USB interface	LS-120

Matrix Cat6 KVM

page 23~38 for KVM specifications, page 107~110 for KVM rear I/O

2 consoles	*Matrix* Cat6 16 port	LS120 - MU 1602
3 consoles		LS120 - MU 1603
4 consoles		LS120 - MU 1604
3 consoles	*Matrix* IP Cat6 16 port	LS120 - MU IP 1613
4 consoles		LS120 - MU IP 1614
4 consoles		LS120 - MU IP 1624

2 consoles	*Matrix* Cat6 32 port	LS120 - MU 3202
3 consoles		LS120 - MU 3203
4 consoles		LS120 - MU 3204
3 consoles	*Matrix* IP Cat6 32 port	LS120 - MU IP 3213
4 consoles		LS120 - MU IP 3214
4 consoles		LS120 - MU IP 3224

Matrix DB-15 KVM

2 consoles	*Matrix* DB-15 8 port	LS120 - M 802
3 consoles		LS120 - M 803
4 consoles		LS120 - M 804
3 consoles	*Matrix* IP DB-15 8 port	LS120 - M IP 813
4 consoles		LS120 - M IP 814
4 consoles		LS120 - M IP 824

2 consoles	*Matrix* DB-15 16 port	LS120 - M 1602
3 consoles		LS120 - M 1603
4 consoles		LS120 - M 1604
3 consoles	*Matrix* IP DB-15 16 port	LS120 - M IP 1613
4 consoles		LS120 - M IP 1614
4 consoles		LS120 - M IP 1624

Combo Cat6 KVM

1 console	*Combo* Cat6 8 port	LS120 - U 801
2 consoles		LS120 - U 802
2 consoles		LS120 - U IP 802
1 console	*Combo* Cat6 16 port	LS120 - U 1601
2 consoles		LS120 - U 1602
2 consoles		LS120 - U IP 1602
1 console	*Combo* Cat6 32 port	LS120 - U 3201
2 consoles		LS120 - U 3202
2 consoles		LS120 - U IP 3202

Combo DB-15 KVM

1 console	*Combo* DB-15 8 port	LS120 - S 801
2 consoles		LS120 - 802
2 consoles		LS120 - IP 802
1 console	*Combo* DB-15 16 port	LS120 - S 1601
2 consoles		LS120 - 1602
2 consoles		LS120 - IP 1602

W-119

New

LCD Drawer & KVM Benefits

- **Multi-user Matrix KVM with either 16 or 32 ports in 1U**
- **Cost efficient Combo KVM integration**
- **19" widescreen LCD with high resolution 1440 x 900**
- **Mix PS/2, USB & SUN with Multi-Platform switch capability**

Drawer Features & Options

- 1U rackmount drawer with 19" widescreen LCD
- Combo interface either PS/2 or USB input to the LCD drawer
- Multiple keyboard language selections with either touchpad or trackball
- Enhanced aesthetics with new molded front panel and two point lock

Sun microsystems, IBM, hp, DELL, Windows, Linux

Options

page 103~104 for full details

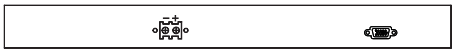
AV	DVI	DC	Audio
BNC + S-Video	DVI-D	DC Power	Audio

Diagram

Unit : mm

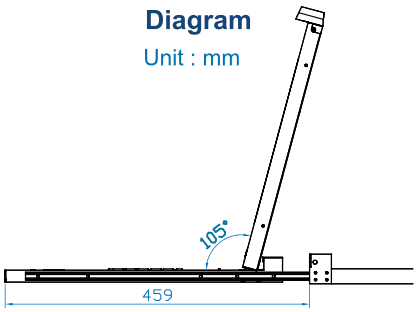
BNC + S-Video

DC Power



DVI-D

Audio



Monitor

SAMSUNG Grade A Wide 19" industrial TFT LCD panel *page 105 for full monitor details*

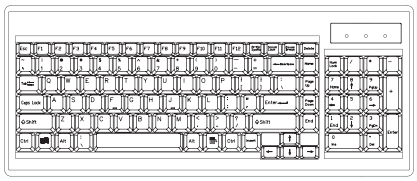
Dimensions

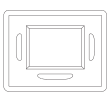
Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
W-119 Series	442 x 600 x 44 mm 17.4 x 23.6 x 1.73 inch	581 x 755 x 172 mm 22.9 x 29.7 x 6.8 inch	18 kg / 40 lbs	24 kg / 53 lbs

Keyboard Selection

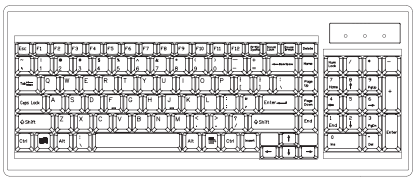
Supporting layouts

Ne N keyboard integrated with touchpad





Nb N keyboard integrated with trackball



page 106 for full keyboard details

KVM Selection

Base Model	Wide 19" LCD Series
• Single port w/o KVM • Combo interface	W-119 c UL us LISTED

■ **W-119 series in single console, with Combo Cat6 KVM or Combo DB-15 KVM integration is UL approved.**

Matrix Cat6 KVM

page 23~38 for KVM specifications, page 107~110 for KVM rear I/O

2 consoles	*Matrix* Cat6 16 port	W119 - MU 1602
3 consoles		W119 - MU 1603
4 consoles		W119 - MU 1604
3 consoles	*Matrix* IP Cat6 16 port	W119 - MU IP 1613
4 consoles		W119 - MU IP 1614
4 consoles		W119 - MU IP 1624
2 consoles	*Matrix* Cat6 32 port	W119 - MU 3202
3 consoles		W119 - MU 3203
4 consoles		W119 - MU 3204
3 consoles	*Matrix* IP Cat6 32 port	W119 - MU IP 3213
4 consoles		W119 - MU IP 3214
4 consoles		W119 - MU IP 3224

Matrix DB-15 KVM

2 consoles	*Matrix* DB-15 8 port	W119 - M 802
3 consoles		W119 - M 803
4 consoles		W119 - M 804
3 consoles	*Matrix* IP DB-15 8 port	W119 - M IP 813
4 consoles		W119 - M IP 814
4 consoles		W119 - M IP 824
2 consoles	*Matrix* DB-15 16 port	W119 - M 1602
3 consoles		W119 - M 1603
4 consoles		W119 - M 1604
3 consoles	*Matrix* IP DB-15 16 port	W119 - M IP 1613
4 consoles		W119 - M IP 1614
4 consoles		W119 - M IP 1624

Combo Cat6 KVM

1 console	*Combo* Cat6 8 port	W119 - U 801
2 consoles		W119 - U 802
2 consoles		W119 - U IP 802
1 console	*Combo* Cat6 16 port	W119 - U 1601
2 consoles		W119 - U 1602
2 consoles		W119 - U IP 1602
1 console	*Combo* Cat6 32 port	W119 - U 3201
2 consoles		W119 - U 3202
2 consoles		W119 - U IP 3202

Combo DB-15 KVM

1 console	*Combo* DB-15 8 port	W119 - S 801
2 consoles		W119 - 802
2 consoles		W119 - IP 802
1 console	*Combo* DB-15 16 port	W119 - S 1601
2 consoles		W119 - 1602
2 consoles		W119 - IP 1602

PS/2 DB-15 KVM

1 console	DB-15 8 port	W119 - 801
	16 port	W119 - 1601

WS-119

New

SOLARIS®

Sun microsystems IBM hp DELL

Windows Linux

LCD Drawer & KVM Benefits

- **Multi-user Matrix KVM with either 16 or 32 ports in 1U**
- **Cost efficient Combo KVM integration**
- **Direct support for SUN Micro 1152 x 900 native resolution**
- **19" widescreen LCD with high resolution 1440 x 900**
- **Mix PS/2, USB & SUN with Multi-Platform switch capability**
- **Secure remote user access across the world wide web**

Drawer Features & Options

- 1U rackmount drawer with 19" widescreen LCD
- Combo interface either PS/2 or USB input to the LCD drawer
- SUN key support including Stop, Cut, Paste, Compose etc
- US and UK keyboard language selections with either touchpad or trackball
- Enhanced aesthetics with new molded front panel and two point lock

Options

page 103~104 for full details

DVI

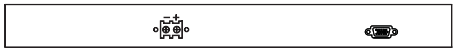
DVI-D

DC

DC Power

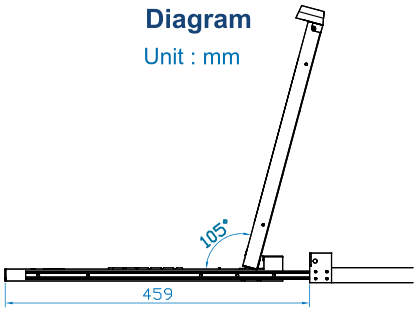
DVI-D

DC Power



Diagram

Unit : mm



Monitor

SAMSUNG Grade A Wide 19" industrial TFT LCD panel

page 105 for full monitor details

Dimensions

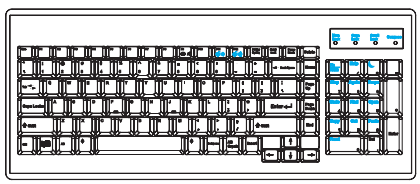
Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
WS-119 Series	442 x 600 x 44 mm 17.4 x 23.6 x 1.73 inch	581 x 755 x 172 mm 22.9 x 29.7 x 6.8 inch	18 kg / 40 lbs	24 kg / 53 lbs

Keyboard Selection

Supporting layouts

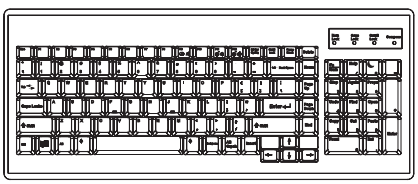
USB interface, Incorporates SUN keys

Se **NS keyboard integrated with touchpad**



SOLARIS®

Sb **NS keyboard integrated with trackball**



SOLARIS®

page 106 for full keyboard details

KVM Selection

Base Model	Wide 19" LCD Series
• Single port w/o KVM • USB interface	WS-119 c UL us LISTED

■ **WS-119 series in single console, with Combo Cat6 KVM or Combo DB-15 KVM integration is UL approved.**

Matrix Cat6 KVM

page 23~38 for KVM specifications, page 107~110 for KVM rear I/O

2 consoles	*Matrix* Cat6 16 port	WS119 - MU 1602
3 consoles		WS119 - MU 1603
4 consoles		WS119 - MU 1604
3 consoles	*Matrix* IP Cat6 16 port	WS119 - MU IP 1613
4 consoles		WS119 - MU IP 1614
4 consoles		WS119 - MU IP 1624

2 consoles	*Matrix* Cat6 32 port	WS119 - MU 3202
3 consoles		WS119 - MU 3203
4 consoles		WS119 - MU 3204
3 consoles	*Matrix* IP Cat6 32 port	WS119 - MU IP 3213
4 consoles		WS119 - MU IP 3214
4 consoles		WS119 - MU IP 3224

Matrix DB-15 KVM

2 consoles	*Matrix* DB-15 8 port	WS119 - M 802
3 consoles		WS119 - M 803
4 consoles		WS119 - M 804
3 consoles	*Matrix* IP DB-15 8 port	WS119 - M IP 813
4 consoles		WS119 - M IP 814
4 consoles		WS119 - M IP 824

2 consoles	*Matrix* DB-15 16 port	WS119 - M 1602
3 consoles		WS119 - M 1603
4 consoles		WS119 - M 1604
3 consoles	*Matrix* IP DB-15 16 port	WS119 - M IP 1613
4 consoles		WS119 - M IP 1614
4 consoles		WS119 - M IP 1624

Combo Cat6 KVM

1 console	*Combo* Cat6 8 port	WS119 - U 801
2 consoles		WS119 - U 802
2 consoles		WS119 - U IP 802
1 console	*Combo* Cat6 16 port	WS119 - U 1601
2 consoles		WS119 - U 1602
2 consoles		WS119 - U IP 1602
1 console	*Combo* Cat6 32 port	WS119 - U 3201
2 consoles		WS119 - U 3202
2 consoles		WS119 - U IP 3202

Combo DB-15 KVM

1 console	*Combo* DB-15 8 port	WS119 - S 801
2 consoles		WS119 - 802
2 consoles		WS119 - IP 802
1 console	*Combo* DB-15 16 port	WS119 - S 1601
2 consoles		WS119 - 1602
2 consoles		WS119 - IP 1602

D-117
D-119

New

LCD Drawer & KVM Benefits

- 1U dual slide rackmount drawer with either 17" or 19" LCD
- Multi-user Matrix KVM with either 16 or 32 ports in 1U
- Cost efficient Combo KVM integration
- Mix PS/2, USB & SUN with Multi-Platform switch capability

Drawer Features & Options

- Combo interface either PS/2 or USB input to the LCD Drawer
- Multiple keyboard language selections with touchpad
- Enhanced aesthetics with new molded front panel and two point lock

Sun microsystems IBM hp DELL Windows Linux

Options

page 103~104 for full details

AV BNC + S-Video

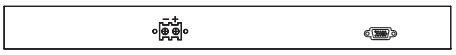
DVI DVI-D

DC DC Power

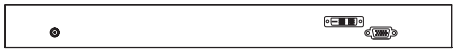
Audio

BNC + S-Video

DC Power



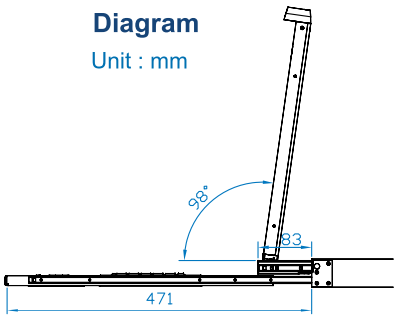
DVI-D



Audio

Diagram

Unit : mm



Monitor

SAMSUNG Grade A 17", 19" industrial TFT LCD panel

page 105 for full monitor details

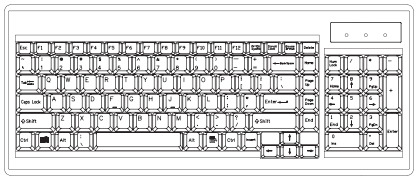
Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
D-117 Series	442 x 650 x 44 mm 17.4 x 25.6 x 1.73 inch	589 x 856 x 168 mm 23.2 x 33.7 x 6.6 inch	16 kg / 35 lbs	22 kg / 48 lbs
D-119 Series	442 x 650 x 44 mm 17.4 x 25.6 x 1.73 inch	589 x 856 x 168 mm 23.2 x 33.7 x 6.6 inch	17 kg / 37 lbs	23 kg / 51 lbs

Keyboard Selection

Supporting layouts

Ne N keyboard integrated with touchpad



page 106 for full keyboard details

KVM Selection

Base Model	17" LCD Series	19" LCD Series
• Single port w/o KVM • Combo interface	D-117	D-119

Matrix Cat6 KVM

page 23~38 for KVM specifications, page 107~110 for KVM rear I/O

2 consoles	*Matrix* Cat6 16 port	D117 - MU 1602	D119 - MU 1602
3 consoles		D117 - MU 1603	D119 - MU 1603
4 consoles		D117 - MU 1604	D119 - MU 1604
3 consoles	*Matrix* IP Cat6 16 port	D117 - MU IP 1613	D119 - MU IP 1613
4 consoles		D117 - MU IP 1614	D119 - MU IP 1614
4 consoles		D117 - MU IP 1624	D119 - MU IP 1624
2 consoles	*Matrix* Cat6 32 port	D117 - MU 3202	D119 - MU 3202
3 consoles		D117 - MU 3203	D119 - MU 3203
4 consoles		D117 - MU 3204	D119 - MU 3204
3 consoles	*Matrix* IP Cat6 32 port	D117 - MU IP 3213	D119 - MU IP 3213
4 consoles		D117 - MU IP 3214	D119 - MU IP 3214
4 consoles		D117 - MU IP 3224	D119 - MU IP 3224

Matrix DB-15 KVM

2 consoles	*Matrix* DB-15 8 port	D117 - M 802	D119 - M 802
3 consoles		D117 - M 803	D119 - M 803
4 consoles		D117 - M 804	D119 - M 804
3 consoles	*Matrix* IP DB-15 8 port	D117 - M IP 813	D119 - M IP 813
4 consoles		D117 - M IP 814	D119 - M IP 814
4 consoles		D117 - M IP 824	D119 - M IP 824
2 consoles	*Matrix* DB-15 16 port	D117 - M 1602	D119 - M 1602
3 consoles		D117 - M 1603	D119 - M 1603
4 consoles		D117 - M 1604	D119 - M 1604
3 consoles	*Matrix* IP DB-15 16 port	D117 - M IP 1613	D119 - M IP 1613
4 consoles		D117 - M IP 1614	D119 - M IP 1614
4 consoles		D117 - M IP 1624	D119 - M IP 1624

Combo Cat6 KVM

1 console	*Combo* Cat6 8 port	D117 - U 801	D119 - U 801
2 consoles		D117 - U 802	D119 - U 802
2 consoles		D117 - U IP 802	D119 - U IP 802
1 console	*Combo* Cat6 16 port	D117 - U 1601	D119 - U 1601
2 consoles		D117 - U 1602	D119 - U 1602
2 consoles		D117 - U IP 1602	D119 - U IP 1602
1 console	*Combo* Cat6 32 port	D117 - U 3201	D119 - U 3201
2 consoles		D117 - U 3202	D119 - U 3202
2 consoles		D117 - U IP 3202	D119 - U IP 3202

Combo DB-15 KVM

1 console	*Combo* DB-15 8 port	D117 - S 801	D119 - S 801
2 consoles		D117 - 802	D119 - 802
2 consoles		D117 - IP 802	D119 - IP 802
1 console	*Combo* DB-15 16 port	D117 - S 1601	D119 - S 1601
2 consoles		D117 - 1602	D119 - 1602
2 consoles		D117 - IP 1602	D119 - IP 1602

PS/2 DB-15 KVM

1 console	DB-15 8 port	D117 - 801	D119 - 801
	16 port	D117 - 1601	D119 - 1601

DS-117
DS-119

New

SOLARIS®

Sun microsystems IBM hp DELL

Windows Linux

LCD Drawer & KVM Benefits

- **1U dual slide rackmount drawer with either 17" or 19" LCD**
- **Multi-user Matrix KVM with either 16 or 32 ports in 1U**
- **Cost efficient Combo KVM integration**
- **Direct support for SUN Micro 1152 x 900 native resolution**
- **Mix PS/2, USB & SUN with Multi-Platform switch capability**
- **Secure remote user access across the world wide web**

Drawer Features & Options

- Combo interface either PS/2 or USB input to the LCD drawer
- SUN key support including Stop, Cut, Paste, Compose etc
- US and UK keyboard language selections with touchpad
- Enhanced aesthetics with new molded front panel and two point lock

Options

page 103~104 for full details

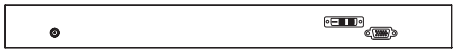
DVI

DVI-D

DC

DC Power

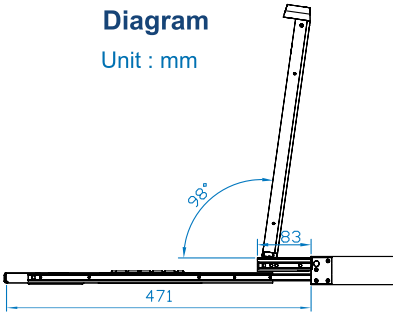
DVI-D



DC Power

Diagram

Unit : mm



Monitor

SAMSUNG Grade A 17", 19" industrial TFT LCD panel

page 105 for full monitor details

Dimensions

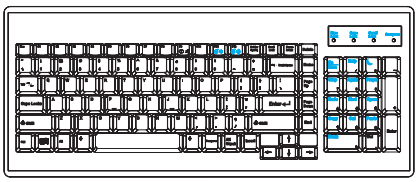
Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
DS-117 Series	442 x 650 x 44 mm 17.4 x 25.6 x 1.73 inch	589 x 856 x 168 mm 23.2 x 33.7 x 6.6 inch	16 kg / 35 lbs	22 kg / 48 lbs
DS-119 Series	442 x 650 x 44 mm 17.4 x 25.6 x 1.73 inch	589 x 856 x 168 mm 23.2 x 33.7 x 6.6 inch	17 kg / 37 lbs	23 kg / 51 lbs

Keyboard Selection

Supporting layouts

USB interface, Incorporates SUN keys

Se **NS keyboard integrated with touchpad**



SOLARIS®

page 106 for full keyboard details

KVM Selection

Base Model	17" LCD Series	19" LCD Series
• Single port w/o KVM • USB interface	DS-117	DS-119

Matrix Cat6 KVM

page 23~38 for KVM specifications, page 107~110 for KVM rear I/O

2 consoles	*Matrix* Cat6 16 port		DS117 - MU 1602	DS119 - MU 1602
3 consoles			DS117 - MU 1603	DS119 - MU 1603
4 consoles			DS117 - MU 1604	DS119 - MU 1604
3 consoles	*Matrix* IP Cat6 16 port		DS117 - MU IP 1613	DS119 - MU IP 1613
4 consoles			DS117 - MU IP 1614	DS119 - MU IP 1614
4 consoles			DS117 - MU IP 1624	DS119 - MU IP 1624
2 consoles	*Matrix* Cat6 32 port		DS117 - MU 3202	DS119 - MU 3202
3 consoles			DS117 - MU 3203	DS119 - MU 3203
4 consoles			DS117 - MU 3204	DS119 - MU 3204
3 consoles	*Matrix* IP Cat6 32 port		DS117 - MU IP 3213	DS119 - MU IP 3213
4 consoles			DS117 - MU IP 3214	DS119 - MU IP 3214
4 consoles			DS117 - MU IP 3224	DS119 - MU IP 3224

Matrix DB-15 KVM

2 consoles	*Matrix* DB-15 8 port		DS117 - M 802	DS119 - M 802
3 consoles			DS117 - M 803	DS119 - M 803
4 consoles			DS117 - M 804	DS119 - M 804
3 consoles	*Matrix* IP DB-15 8 port		DS117 - M IP 813	DS119 - M IP 813
4 consoles			DS117 - M IP 814	DS119 - M IP 814
4 consoles			DS117 - M IP 824	DS119 - M IP 824
2 consoles	*Matrix* DB-15 16 port		DS117 - M 1602	DS119 - M 1602
3 consoles			DS117 - M 1603	DS119 - M 1603
4 consoles			DS117 - M 1604	DS119 - M 1604
3 consoles	*Matrix* IP DB-15 16 port		DS117 - M IP 1613	DS119 - M IP 1613
4 consoles			DS117 - M IP 1614	DS119 - M IP 1614
4 consoles			DS117 - M IP 1624	DS119 - M IP 1624

Combo Cat6 KVM

1 console	*Combo* Cat6 8 port		DS117 - U 801	DS119 - U 801
2 consoles			DS117 - U 802	DS119 - U 802
2 consoles			DS117 - U IP 802	DS119 - U IP 802
1 console	*Combo* Cat6 16 port		DS117 - U 1601	DS119 - U 1601
2 consoles			DS117 - U 1602	DS119 - U 1602
2 consoles			DS117 - U IP 1602	DS119 - U IP 1602
1 console	*Combo* Cat6 32 port		DS117 - U 3201	DS119 - U 3201
2 consoles			DS117 - U 3202	DS119 - U 3202
2 consoles			DS117 - U IP 3202	DS119 - U IP 3202

Combo DB-15 KVM

1 console	*Combo* DB-15 8 port		DS117 - S 801	DS119 - S 801
2 consoles			DS117 - 802	DS119 - 802
2 consoles			DS117 - IP 802	DS119 - IP 802
1 console	*Combo* DB-15 16 port		DS117 - S 1601	DS119 - S 1601
2 consoles			DS117 - 1602	DS119 - 1602
2 consoles			DS117 - IP 1602	DS119 - IP 1602

N-117
N-119

LCD Drawer & KVM Benefits

- **Multi-user Matrix KVM with either 16 or 32 ports in 1U**
- **Cost efficient Combo KVM integration**
- **"One Man" installation slides for easy, quick installation**
- **Mix PS/2, USB & SUN with Multi-Platform switch capability**
- **Secure remote user access across the world wide web**

Drawer Features & Options

- 1U rackmount drawer with either 17" or 19" LCD
- Combo interface either PS/2 or USB input to the LCD drawer
- Multiple keyboard language selections with either touchpad or trackball
- Slide rails with fixed positions to prevent drawer movement when typing
- An aesthetically enhanced latching front panel to release the two point lock

Options

page 103~104 for full details

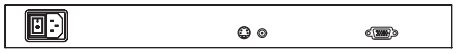
AV — BNC + S-Video

DVI — DVI-D

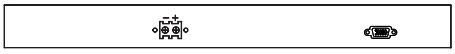
DC — DC Power

Audio

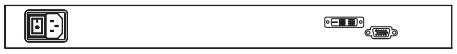
S-Video + BNC



DC Power



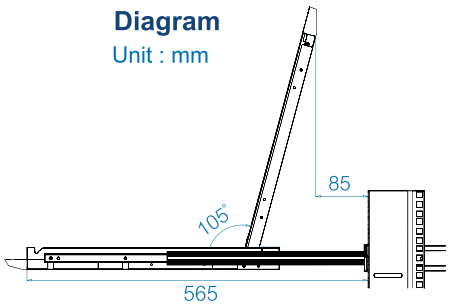
DVI-D



Audio

Diagram

Unit : mm



Monitor

SAMSUNG Grade A 17" or 19" industrial TFT LCD panel *page 105 for full monitor details*

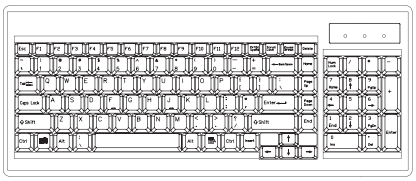
Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
N-117 Series	442 x 650 x 44 mm 17.4 x 25.6 x 1.73 inch	589 x 856 x 168 mm 23.2 x 33.7 x 6.6 inch	16 kg / 35 lbs	22 kg / 48 lbs
N-119 Series	442 x 650 x 44 mm 17.4 x 25.6 x 1.73 inch	589 x 856 x 168 mm 23.2 x 33.7 x 6.6 inch	17 kg / 37 lbs	23 kg / 51 lbs

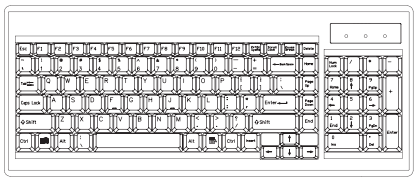
Keyboard Selection

Supporting layouts

Ne N keyboard integrated with touchpad



Nb N keyboard integrated with trackball



page 106 for full keyboard details

KVM Selection

Base Model	17" LCD Series	19" LCD Series
• Single port w/o KVM • Combo interface	N-117	N-119

Matrix Cat6 KVM

page 23~38 for KVM specifications, page 107~110 for KVM rear I/O

2 consoles	*Matrix* Cat6 16 port		N117 - MU 1602	N119 - MU 1602
3 consoles			N117 - MU 1603	N119 - MU 1603
4 consoles			N117 - MU 1604	N119 - MU 1604
3 consoles	*Matrix* IP Cat6 16 port		N117 - MU IP 1613	N119 - MU IP 1613
4 consoles			N117 - MU IP 1614	N119 - MU IP 1614
4 consoles			N117 - MU IP 1624	N119 - MU IP 1624
2 consoles	*Matrix* Cat6 32 port		N117 - MU 3202	N119 - MU 3202
3 consoles			N117 - MU 3203	N119 - MU 3203
4 consoles			N117 - MU 3204	N119 - MU 3204
3 consoles	*Matrix* IP Cat6 32 port		N117 - MU IP 3213	N119 - MU IP 3213
4 consoles			N117 - MU IP 3214	N119 - MU IP 3214
4 consoles			N117 - MU IP 3224	N119 - MU IP 3224

Matrix DB-15 KVM

2 consoles	*Matrix* DB-15 8 port		N117 - M 802	N119 - M 802
3 consoles			N117 - M 803	N119 - M 803
4 consoles			N117 - M 804	N119 - M 804
3 consoles	*Matrix* IP DB-15 8 port		N117 - M IP 813	N119 - M IP 813
4 consoles			N117 - M IP 814	N119 - M IP 814
4 consoles			N117 - M IP 824	N119 - M IP 824
2 consoles	*Matrix* DB-15 16 port		N117 - M 1602	N119 - M 1602
3 consoles			N117 - M 1603	N119 - M 1603
4 consoles			N117 - M 1604	N119 - M 1604
3 consoles	*Matrix* IP DB-15 16 port		N117 - M IP 1613	N119 - M IP 1613
4 consoles			N117 - M IP 1614	N119 - M IP 1614
4 consoles			N117 - M IP 1624	N119 - M IP 1624

Combo Cat6 KVM

1 console	*Combo* Cat6 8 port		N117 - U 801	N119 - U 801
2 consoles			N117 - U 802	N119 - U 802
2 consoles			N117 - U IP 802	N119 - U IP 802
1 console	*Combo* Cat6 16 port		N117 - U 1601	N119 - U 1601
2 consoles			N117 - U 1602	N119 - U 1602
2 consoles			N117 - U IP 1602	N119 - U IP 1602
1 console	*Combo* Cat6 32 port		N117 - U 3201	N119 - U 3201
2 consoles			N117 - U 3202	N119 - U 3202
2 consoles			N117 - U IP 3202	N119 - U IP 3202

Combo DB-15 KVM

1 console	*Combo* DB-15 8 port		N117 - S 801	N119 - S 801
2 consoles			N117 - 802	N119 - 802
2 consoles			N117 - IP 802	N119 - IP 802
1 console	*Combo* DB-15 16 port		N117 - S 1601	N119 - S 1601
2 consoles			N117 - 1602	N119 - 1602
2 consoles			N117 - IP 1602	N119 - IP 1602

PS/2 DB-15 KVM

1 console	DB-15	8 port 16 port	N117 - 801 N117 - 1601	N119 - 801 N119 - 1601

N-1417
N-1419

LCD Drawer Benefits

- **Short depth design of 480mm (18.9") only**
- **Depth will suit a 600mm rack application**
- **"One Man" installation slides for easy, quick installation**
- **104 key notepad keyboard with full numerical pad**

Drawer Features & Options

- 1U rackmount drawer with either 17" or 19" LCD
- Combo interface either PS/2 or USB input to the LCD drawer
- Multiple keyboard language selections with either touchpad or trackball
- Slide rails with fixed positions to prevent drawer movement when typing
- An aesthetically enhanced latching front panel to release the two point lock

Options

page 103~104 for full details

AV — BNC + S-Video

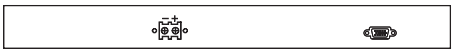
DVI — DVI-D

DC — DC Power

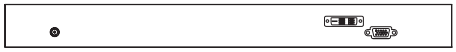
Audio

S-Video + BNC

DC Power



DVI-D

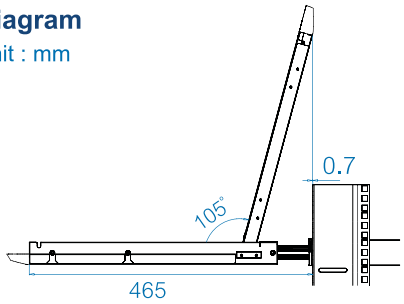


Audio

With DVI-D or DC power option, the depth of N-1417 / N-1419 will be extended from 480mm (18.9") to 530mm (20.9")

Diagram

Unit : mm



Monitor

Grade A 17" or 19" industrial TFT LCD panel

page 105 for full monitor details

Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
N-1417 Series	442 x 480 x 44 mm 17.4 x 18.9 x 1.73 inch	581 x 705 x 175 mm 22.9 x 27.8 x 6.9 inch	15 kg / 33 lbs	19 kg / 42 lbs
N-1419 Series	442 x 480 x 44 mm 17.4 x 18.9 x 1.73 inch	581 x 705 x 175 mm 22.9 x 27.8 x 6.9 inch	16 kg / 35 lbs	20 kg / 44 lbs

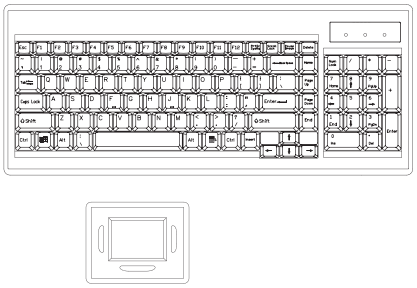
Model Selection

Base Model	17" LCD Series	19" LCD Series
• Single port w/o KVM • Combo interface	N-1417	N-1419

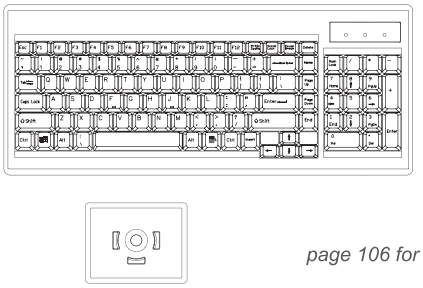
Keyboard Selection

Supporting layouts

Ne **N keyboard integrated with touchpad**



Nb **N keyboard integrated with trackball**



page 106 for full keyboard details

NS-117
NS-119

LCD Drawer & KVM Benefits

- **Multi-user Matrix KVM with either 16 or 32 ports in 1U**
- **Cost efficient Combo KVM integration**
- **Direct support for SUN Micro 1152 x 900 native resolution**
- **"One Man" installation slides for easy, quick installation**
- **Mix PS/2, USB & SUN with Multi-Platform switch capability**
- **Secure remote user access across the world wide web**

Drawer Features & Options

- 1U rackmount drawer with either 17" or 19" LCD
- Combo interface either PS/2 or USB input to the LCD drawer
- SUN key support including Stop, Cut, Paste, Compose etc
- US and UK keyboard language selections with either touchpad or trackball
- Slide rails with fixed positions to prevent drawer movement when typing
- An aesthetically enhanced latching front panel to release the two point lock

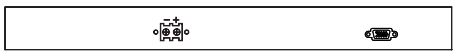
Options *page 103~104 for full details*

DVI-D

DC Power

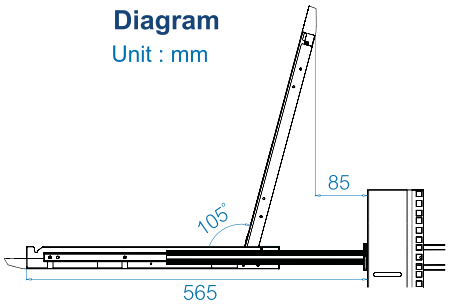
DVI-D

DC Power



Diagram

Unit : mm



Monitor

Grade A 17" or 19" industrial TFT LCD panel *page 105 for full monitor details*

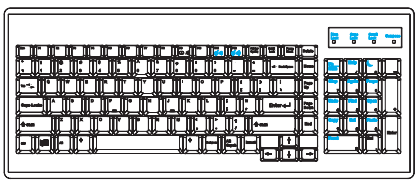
Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
NS-117 Series	442 x 650 x 44 mm 17.4 x 25.6 x 1.73 inch	589 x 856 x 168 mm 23.2 x 33.7 x 6.6 inch	16 kg / 35 lbs	22 kg / 48 lbs
NS-119 Series	442 x 650 x 44 mm 17.4 x 25.6 x 1.73 inch	589 x 856 x 168 mm 23.2 x 33.7 x 6.6 inch	17 kg / 37 lbs	23 kg / 51 lbs

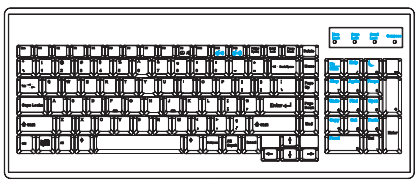
Keyboard Selection

Supporting layouts USB interface, Incorporates SUN keys

Se NS keyboard integrated with touchpad



Sb NS keyboard integrated with trackball



page 106 for full keyboard details

KVM Selection

Base Model	17" LCD Series	19" LCD Series
• Single port w/o KVM • USB interface	NS-117	NS-119

Matrix Cat6 KVM

page 23~38 for KVM specifications, page 107~110 for KVM rear I/O

2 consoles	*Matrix* Cat6 16 port	NS117 - MU 1602	NS119 - MU 1602
3 consoles		NS117 - MU 1603	NS119 - MU 1603
4 consoles		NS117 - MU 1604	NS119 - MU 1604
3 consoles	*Matrix* IP Cat6 16 port	NS117 - MU IP 1613	NS119 - MU IP 1613
4 consoles		NS117 - MU IP 1614	NS119 - MU IP 1614
4 consoles		NS117 - MU IP 1624	NS119 - MU IP 1624
2 consoles	*Matrix* Cat6 32 port	NS117 - MU 3202	NS119 - MU 3202
3 consoles		NS117 - MU 3203	NS119 - MU 3203
4 consoles		NS117 - MU 3204	NS119 - MU 3204
3 consoles	*Matrix* IP Cat6 32 port	NS117 - MU IP 3213	NS119 - MU IP 3213
4 consoles		NS117 - MU IP 3214	NS119 - MU IP 3214
4 consoles		NS117 - MU IP 3224	NS119 - MU IP 3224

Matrix DB-15 KVM

2 consoles	*Matrix* DB-15 8 port	NS117 - M 802	NS119 - M 802
3 consoles		NS117 - M 803	NS119 - M 803
4 consoles		NS117 - M 804	NS119 - M 804
3 consoles	*Matrix* IP DB-15 8 port	NS117 - M IP 813	NS119 - M IP 813
4 consoles		NS117 - M IP 814	NS119 - M IP 814
4 consoles		NS117 - M IP 824	NS119 - M IP 824
2 consoles	*Matrix* DB-15 16 port	NS117 - M 1602	NS119 - M 1602
3 consoles		NS117 - M 1603	NS119 - M 1603
4 consoles		NS117 - M 1604	NS119 - M 1604
3 consoles	*Matrix* IP DB-15 16 port	NS117 - M IP 1613	NS119 - M IP 1613
4 consoles		NS117 - M IP 1614	NS119 - M IP 1614
4 consoles		NS117 - M IP 1624	NS119 - M IP 1624

Combo Cat6 KVM

1 console	*Combo* Cat6 8 port	NS117 - U 801	NS119 - U 801
2 consoles		NS117 - U 802	NS119 - U 802
2 consoles		NS117 - U IP 802	NS119 - U IP 802
1 console	*Combo* Cat6 16 port	NS117 - U 1601	NS119 - U 1601
2 consoles		NS117 - U 1602	NS119 - U 1602
2 consoles		NS117 - U IP 1602	NS119 - U IP 1602
1 console	*Combo* Cat6 32 port	NS117 - U 3201	NS119 - U 3201
2 consoles		NS117 - U 3202	NS119 - U 3202
2 consoles		NS117 - U IP 3202	NS119 - U IP 3202

Combo DB-15 KVM

1 console	*Combo* DB-15 8 port	NS117 - S 801	NS119 - S 801
2 consoles		NS117 - 802	NS119 - 802
2 consoles		NS117 - IP 802	NS119 - IP 802
1 console	*Combo* DB-15 16 port	NS117 - S 1601	NS119 - S 1601
2 consoles		NS117 - 1602	NS119 - 1602
2 consoles		NS117 - IP 1602	NS119 - IP 1602

RKP-115
RKP-117
RKP-119

LCD Drawer & KVM Benefits

- **Multi-user Matrix KVM with either 16 or 32 ports in 1U**
- **Cost efficient Combo KVM integration**
- **"One Man" installation slides for easy, quick installation**
- **Mix PS/2, USB & SUN with Multi-Platform switch capability**
- **Secure remote user access across the world wide web**

Drawer Features & Options

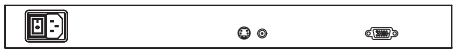
- 1U rackmount drawer with either 15", 17" or 19" LCD
- Combo interface either PS/2 or USB input to the LCD drawer
- Multiple keyboard language selections with either touchpad or trackball
- Slide rails with fixed positions to prevent drawer movement when typing
- Enhanced aesthetics with new molded front panel and two point lock

Options

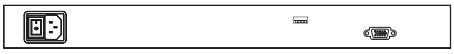
page 103~104 for full details

AV BNC + S-Video | DVI DVI-D | DC DC Power | Touch Screen | Audio

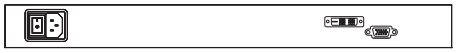
BNC + S-Video



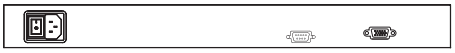
Touchscreen - USB



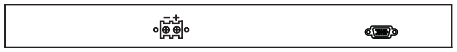
DVI-D



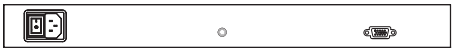
Touchscreen - Serial



DC Power

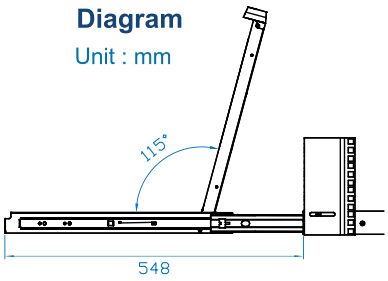


Audio



Diagram

Unit : mm



***With touchscreen option, the height of RKP-117 / RKP-119 will be changed from 1U to 1.5U**

Monitor

SAMSUNG Grade A 15", 17", 19" industrial TFT LCD panel

page 105 for full monitor details

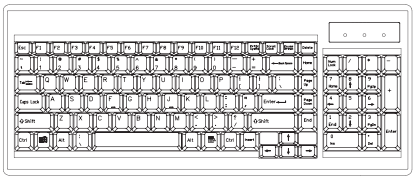
Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
RKP-115 / RKP-117	442 x 650 x 44 mm 17.4 x 25.6 x 1.73 inch	589 x 856 x 168 mm 23.2 x 33.7 x 6.6 inch	15 kg / 33 lbs	21 kg / 46 lbs
RKP-119	442 x 650 x 44 mm 17.4 x 25.6 x 1.73 inch	589 x 856 x 168 mm 23.2 x 33.7 x 6.6 inch	17 kg / 37 lbs	23 kg / 51 lbs

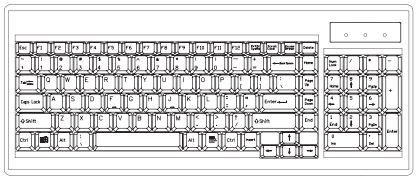
Keyboard Selection

Supporting layouts

Ne N keyboard integrated with touchpad



Nb N keyboard integrated with trackball



page 106 for full keyboard details

KVM Selection

Base Model	15" LCD Series	17" LCD Series	19" LCD Series
• Single port w/o KVM • Combo interface	RKP-115	RKP-117 c UL us LISTED	RKP-119

■ **RKP-117 series in single console, with Combo Cat6 KVM or Combo DB-15 KVM integration is UL approved.**

Matrix Cat6 KVM

page 23~38 for KVM specifications, page 107~110 for KVM rear I/O

2 consoles	*Matrix* Cat6 16 port	RKP115 - MU 1602	RKP117 - MU 1602	RKP119 - MU 1602
3 consoles		RKP115 - MU 1603	RKP117 - MU 1603	RKP119 - MU 1603
4 consoles		RKP115 - MU 1604	RKP117 - MU 1604	RKP119 - MU 1604
3 consoles	*Matrix* IP Cat6 16 port	RKP115 - MU IP 1613	RKP117 - MU IP 1613	RKP119 - MU IP 1613
4 consoles		RKP115 - MU IP 1614	RKP117 - MU IP 1614	RKP119 - MU IP 1614
4 consoles		RKP115 - MU IP 1624	RKP117 - MU IP 1624	RKP119 - MU IP 1624
2 consoles	*Matrix* Cat6 32 port	RKP115 - MU 3202	RKP117 - MU 3202	RKP119 - MU 3202
3 consoles		RKP115 - MU 3203	RKP117 - MU 3203	RKP119 - MU 3203
4 consoles		RKP115 - MU 3204	RKP117 - MU 3204	RKP119 - MU 3204
3 consoles	*Matrix* IP Cat6 32 port	RKP115 - MU IP 3213	RKP117 - MU IP 3213	RKP119 - MU IP 3213
4 consoles		RKP115 - MU IP 3214	RKP117 - MU IP 3214	RKP119 - MU IP 3214
4 consoles		RKP115 - MU IP 3224	RKP117 - MU IP 3224	RKP119 - MU IP 3224

Matrix DB-15 KVM

2 consoles	*Matrix* DB-15 8 port	RKP115 - M 802	RKP117 - M 802	RKP119 - M 802
3 consoles		RKP115 - M 803	RKP117 - M 803	RKP119 - M 803
4 consoles		RKP115 - M 804	RKP117 - M 804	RKP119 - M 804
3 consoles	*Matrix* IP DB-15 8 port	RKP115 - M IP 813	RKP117 - M IP 813	RKP119 - M IP 813
4 consoles		RKP115 - M IP 814	RKP117 - M IP 814	RKP119 - M IP 814
4 consoles		RKP115 - M IP 824	RKP117 - M IP 824	RKP119 - M IP 824
2 consoles	*Matrix* DB-15 16 port	RKP115 - M 1602	RKP117 - M 1602	RKP119 - M 1602
3 consoles		RKP115 - M 1603	RKP117 - M 1603	RKP119 - M 1603
4 consoles		RKP115 - M 1604	RKP117 - M 1604	RKP119 - M 1604
3 consoles	*Matrix* IP DB-15 16 port	RKP115 - M IP 1613	RKP117 - M IP 1613	RKP119 - M IP 1613
4 consoles		RKP115 - M IP 1614	RKP117 - M IP 1614	RKP119 - M IP 1614
4 consoles		RKP115 - M IP 1624	RKP117 - M IP 1624	RKP119 - M IP 1624

Combo Cat6 KVM

1 console	*Combo* Cat6 8 port	RKP115 - U 801	RKP117 - U 801	RKP119 - U 801
2 consoles		RKP115 - U 802	RKP117 - U 802	RKP119 - U 802
2 consoles		RKP115 - U IP 802	RKP117 - U IP 802	RKP119 - U IP 802
1 console	*Combo* Cat6 16 port	RKP115 - U 1601	RKP117 - U 1601	RKP119 - U 1601
2 consoles		RKP115 - U 1602	RKP117 - U 1602	RKP119 - U 1602
2 consoles		RKP115 - U IP 1602	RKP117 - U IP 1602	RKP119 - U IP 1602
1 console	*Combo* Cat6 32 port	RKP115 - U 3201	RKP117 - U 3201	RKP119 - U 3201
2 consoles		RKP115 - U 3202	RKP117 - U 3202	RKP119 - U 3202
2 consoles		RKP115 - U IP 3202	RKP117 - U IP 3202	RKP119 - U IP 3202

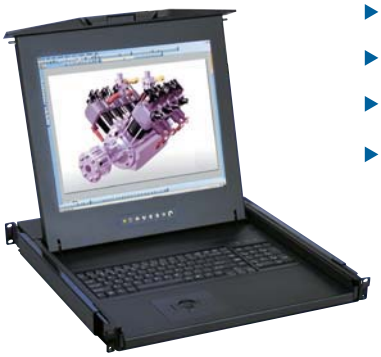
Combo DB-15 KVM

1 console	*Combo* DB-15 8 port	RKP115 - S 801	RKP117 - S 801	RKP119 - S 801
2 consoles		RKP115 - 802	RKP117 - 802	RKP119 - 802
2 consoles		RKP115 - IP 802	RKP117 - IP 802	RKP119 - IP 802
1 console	*Combo* DB-15 16 port	RKP115 - S 1601	RKP117 - S 1601	RKP119 - S 1601
2 consoles		RKP115 - 1602	RKP117 - 1602	RKP119 - 1602
2 consoles		RKP115 - IP 1602	RKP117 - IP 1602	RKP119 - IP 1602

PS/2 DB-15 KVM

1 console	8 port DB-15 16 port	RKP115 - 801	RKP117 - 801	RKP119 - 801
		RKP115 - 1601	RKP117 - 1601	RKP119 - 1601

RKP-1415
RKP-1417
RKP-1419



LCD Drawer Benefits

- **Short depth design of 480mm (18.9") only**
- **Depth will suit a 600mm rack application**
- **"One Man" installation slides for easy, quick installation**
- **104 key notepad keyboard with full numerical pad**

Drawer Features & Options

- 1U rackmount drawer with either 15", 17" or 19" LCD
- Combo interface either PS/2 or USB input to the LCD drawer
- Multiple keyboard language selections with either touchpad or trackball
- Slide rails with fixed positions to prevent drawer movement when typing
- Enhanced aesthetics with new molded front panel and two point lock

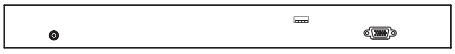
Options

page 103~104 for full details

AV	DVI	DC	Touch Screen	Audio
BNC + S-Video	DVI-D	DC Power		

BNC + S-Video

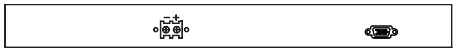
Touchscreen - USB



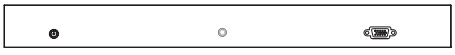
DVI-D

Touchscreen - Serial

DC Power



Audio

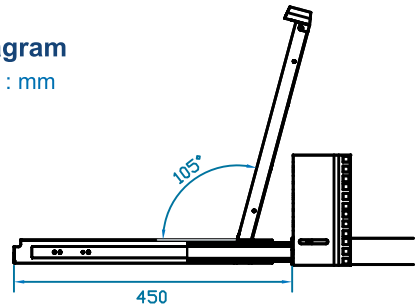


With DVI-D or DC power option, the depth of RKP-1415 / RKP-1417 / RKP-1419 will be extended from 480mm (18.9") to 530mm (20.9")

With touchscreen option, the height of RKP-1417 / RKP-1419 will be changed from 1U to 1.5U

Diagram

Unit : mm



Monitor

Grade A 15", 17", 19" industrial TFT LCD panel

page 105 for full monitor details

Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
RKP-1415 Series	442 x 480 x 44 mm 17.4 x 18.9 x 1.73 inch	581 x 705 x 175 mm 22.9 x 27.8 x 6.9 inch	15 kg / 33 lbs	21 kg / 46 lbs
RKP-1417 Series	442 x 480 x 44 mm 17.4 x 18.9 x 1.73 inch	581 x 705 x 175 mm 22.9 x 27.8 x 6.9 inch	16 kg / 35 lbs	22 kg / 48 lbs
RKP-1419 Series	442 x 480 x 44 mm 17.4 x 18.9 x 1.73 inch	581 x 705 x 175 mm 22.9 x 27.8 x 6.9 inch	17 kg / 37 lbs	23 kg / 51 lbs

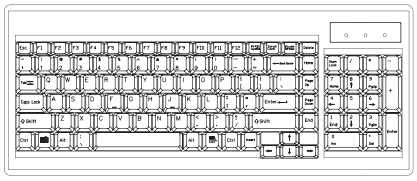
Model Selection

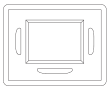
Base Model	15" LCD Series	17" LCD Series	19" LCD Series
• Single port w/o KVM • Combo interface	RKP-1415	RKP-1417	RKP-1419

Keyboard Selection

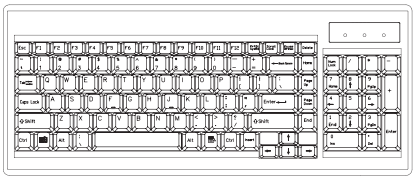
Supporting layouts

Ne **N keyboard integrated with touchpad**





Nb **N keyboard integrated with trackball**



page 106 for full keyboard details

S-117
S-119

SOLARIS®

LCD Drawer & KVM Benefits

- **Multi-user Matrix KVM with either 16 or 32 ports in 1U**
- **Cost efficient Combo KVM integration**
- **Direct support for SUN Micro 1152 x 900 native resolution**
- **"One Man" installation slides for easy, quick installation**
- **Mix PS/2, USB & SUN with Multi-Platform switch capability**
- **Secure remote user access across the world wide web**

Drawer Features & Options

- 1U rackmount drawer with either 17" or 19" LCD
- Combo interface either PS/2 or USB input to the LCD drawer
- SUN key support including Stop, Cut, Paste, Compose etc
- US and UK keyboard language selections with either touchpad or trackball
- Slide rails with fixed positions to prevent drawer movement when typing
- Enhanced aesthetics with new molded front panel and two point lock

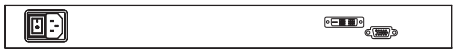
Options

page 103~104 for full details

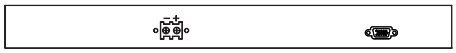
DVI-D

DC Power

DVI-D

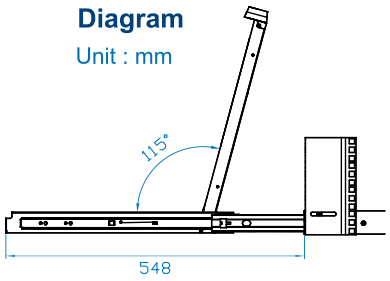


DC Power



Diagram

Unit : mm



Monitor

Grade A 17" or 19" industrial TFT LCD panel

page 105 for full monitor details

Dimensions

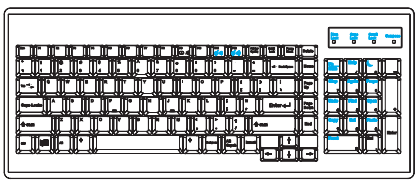
Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
S-117 series	442 x 650 x 44 mm 17.4 x 25.6 x 1.73 inch	589 x 856 x 168 mm 23.2 x 33.7 x 6.6 inch	15 kg / 33 lbs	21 kg / 46 lbs
S-119 Series	442 x 650 x 44 mm 17.4 x 25.6 x 1.73 inch	589 x 856 x 168 mm 23.2 x 33.7 x 6.6 inch	17 kg / 37 lbs	23 kg / 51 lbs

Keyboard Selection

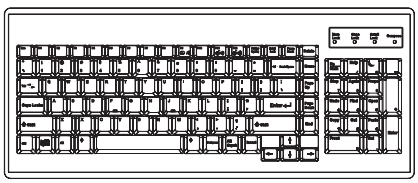
Supporting layouts

USB interface, Incorporates SUN keys

Se **NS keyboard integrated with touchpad**



Sb **NS keyboard integrated with trackball**



SOLARIS®

SOLARIS®

page 106 for full keyboard details

KVM Selection

Base Model	17" LCD Series	19" LCD Series
• Single port w/o KVM • USB interface	S-117 c UL us LISTED	S-119

■ **S-117 series in single console, with Combo Cat6 KVM or Combo DB-15 KVM integration is UL approved.**

Matrix Cat6 KVM

page 23~38 for KVM specifications, page 107~110 for KVM rear I/O

2 consoles	*Matrix* Cat6 16 port	S117 - MU 1602	S119 - MU 1602
3 consoles		S117 - MU 1603	S119 - MU 1603
4 consoles		S117 - MU 1604	S119 - MU 1604
3 consoles	*Matrix* IP Cat6 16 port	S117 - MU IP 1613	S119 - MU IP 1613
4 consoles		S117 - MU IP 1614	S119 - MU IP 1614
4 consoles		S117 - MU IP 1624	S119 - MU IP 1624
2 consoles	*Matrix* Cat6 32 port	S117 - MU 3202	S119 - MU 3202
3 consoles		S117 - MU 3203	S119 - MU 3203
4 consoles		S117 - MU 3204	S119 - MU 3204
3 consoles	*Matrix* IP Cat6 32 port	S117 - MU IP 3213	S119 - MU IP 3213
4 consoles		S117 - MU IP 3214	S119 - MU IP 3214
4 consoles		S117 - MU IP 3224	S119 - MU IP 3224

Matrix DB-15 KVM

2 consoles	*Matrix* DB-15 8 port	S117 - M 802	S119 - M 802
3 consoles		S117 - M 803	S119 - M 803
4 consoles		S117 - M 804	S119 - M 804
3 consoles	*Matrix* IP DB-15 8 port	S117 - M IP 813	S119 - M IP 813
4 consoles		S117 - M IP 814	S119 - M IP 814
4 consoles		S117 - M IP 824	S119 - M IP 824
2 consoles	*Matrix* DB-15 16 port	S117 - M 1602	S119 - M 1602
3 consoles		S117 - M 1603	S119 - M 1603
4 consoles		S117 - M 1604	S119 - M 1604
3 consoles	*Matrix* IP DB-15 16 port	S117 - M IP 1613	S119 - M IP 1613
4 consoles		S117 - M IP 1614	S119 - M IP 1614
4 consoles		S117 - M IP 1624	S119 - M IP 1624

Combo Cat6 KVM

1 console	*Combo* Cat6 8 port	S117 - U 801	S119 - U 801
2 consoles		S117 - U 802	S119 - U 802
2 consoles		S117 - U IP 802	S119 - U IP 802
1 console	*Combo* Cat6 16 port	S117 - U 1601	S119 - U 1601
2 consoles		S117 - U 1602	S119 - U 1602
2 consoles		S117 - U IP 1602	S119 - U IP 1602
1 console	*Combo* Cat6 32 port	S117 - U 3201	S119 - U 3201
2 consoles		S117 - U 3202	S119 - U 3202
2 consoles		S117 - U IP 3202	S119 - U IP 3202

Combo DB-15 KVM

1 console	*Combo* DB-15 8 port	S117 - S 801	S119 - S 801
2 consoles		S117 - 802	S119 - 802
2 consoles		S117 - IP 802	S119 - IP 802
1 console	*Combo* DB-15 16 port	S117 - S 1601	S119 - S 1601
2 consoles		S117 - 1602	S119 - 1602
2 consoles		S117 - IP 1602	S119 - IP 1602

RKP-217
RKP-219

LCD Drawer & KVM Benefits

- 2U dual slide rackmount drawer with either 17" or 19" LCD
- Multi-user Matrix KVM with either 16 or 32 ports in 2U
- Cost efficient Combo KVM integration
- Mix PS/2, USB & SUN with Multi-Platform switch capability
- Secure remote user access across the world wide web
- "One Man" installation slides for easy, quick installation

Drawer Features & Options

- Combo interface either PS/2 or USB input to the LCD drawer
- Multiple keyboard language selections with either touchpad or trackball
- Slide rails with fixed positions to prevent drawer movement when typing
- Enhanced aesthetics with new molded front panel and two point lock

Sun microsystems IBM hp DELL Microsoft Windows Linux

Options

page 103~104 for full details

AV BNC + S-Video

DVI DVI-D

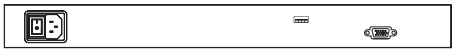
DC DC Power

Touch Screen

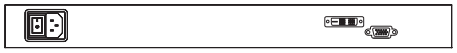
Audio

BNC + S-Video

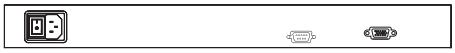
Touchscreen - USB



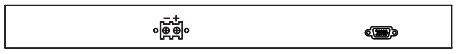
DVI-D



Touchscreen - Serial



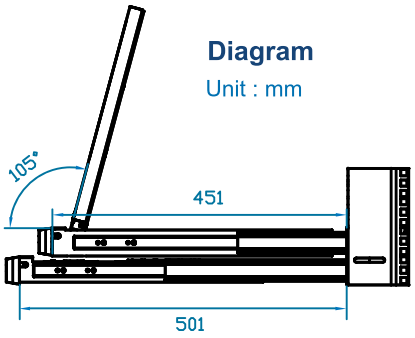
DC Power



Audio

Diagram

Unit : mm



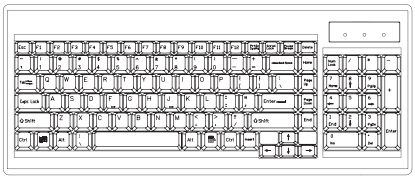
Monitor Grade A 17", 19" industrial TFT LCD panel page 105 for full monitor details

Dimensions

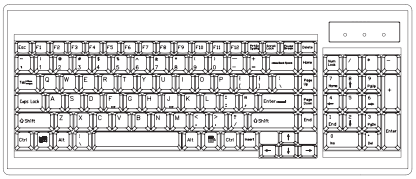
Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
RKP-217 / RKP-219	442 x 600 x 88 mm 17.4 x 23.6 x 3.5 inch	581 x 753 x 216 mm 22.9 x 29.6 x 8.5 inch	18 kg / 40 lbs	24 kg / 53 lbs

Keyboard Selection

Ne N keyboard integrated with touchpad



Nb N keyboard integrated with trackball



page 106 for full keyboard details

KVM Selection

Base Model	17" LCD Series	19" LCD Series
• Single port w/o KVM • Combo interface	RKP-217	RKP-219

Matrix Cat6 KVM

page 23~38 for KVM specifications, page 107~110 for KVM rear I/O

2 consoles	*Matrix* Cat6 16 port		RKP217 - MU 1602	RKP219 - MU 1602
3 consoles			RKP217 - MU 1603	RKP219 - MU 1603
4 consoles			RKP217 - MU 1604	RKP219 - MU 1604
3 consoles	*Matrix* IP Cat6 16 port		RKP217 - MU IP 1613	RKP219 - MU IP 1613
4 consoles			RKP217 - MU IP 1614	RKP219 - MU IP 1614
4 consoles			RKP217 - MU IP 1624	RKP219 - MU IP 1624
2 consoles	*Matrix* Cat6 32 port		RKP217 - MU 3202	RKP219 - MU 3202
3 consoles			RKP217 - MU 3203	RKP219 - MU 3203
4 consoles			RKP217 - MU 3204	RKP219 - MU 3204
3 consoles	*Matrix* IP Cat6 32 port		RKP217 - MU IP 3213	RKP219 - MU IP 3213
4 consoles			RKP217 - MU IP 3214	RKP219 - MU IP 3214
4 consoles			RKP217 - MU IP 3224	RKP219 - MU IP 3224

Matrix DB-15 KVM

2 consoles	*Matrix* DB-15 8 port		RKP217 - M 802	RKP219 - M 802
3 consoles			RKP217 - M 803	RKP219 - M 803
4 consoles			RKP217 - M 804	RKP219 - M 804
3 consoles	*Matrix* IP DB-15 8 port		RKP217 - M IP 813	RKP219 - M IP 813
4 consoles			RKP217 - M IP 814	RKP219 - M IP 814
4 consoles			RKP217 - M IP 824	RKP219 - M IP 824
2 consoles	*Matrix* DB-15 16 port		RKP217 - M 1602	RKP219 - M 1602
3 consoles			RKP217 - M 1603	RKP219 - M 1603
4 consoles			RKP217 - M 1604	RKP219 - M 1604
3 consoles	*Matrix* IP DB-15 16 port		RKP217 - M IP 1613	RKP219 - M IP 1613
4 consoles			RKP217 - M IP 1614	RKP219 - M IP 1614
4 consoles			RKP217 - M IP 1624	RKP219 - M IP 1624

Combo Cat6 KVM

1 console	*Combo* Cat6 8 port		RKP217 - U 801	RKP219 - U 801
2 consoles			RKP217 - U 802	RKP219 - U 802
2 consoles			RKP217 - U IP 802	RKP219 - U IP 802
1 console	*Combo* Cat6 16 port		RKP217 - U 1601	RKP219 - U 1601
2 consoles			RKP217 - U 1602	RKP219 - U 1602
2 consoles			RKP217 - U IP 1602	RKP219 - U IP 1602
1 console	*Combo* Cat6 32 port		RKP217 - U 3201	RKP219 - U 3201
2 consoles			RKP217 - U 3202	RKP219 - U 3202
2 consoles			RKP217 - U IP 3202	RKP219 - U IP 3202

Combo DB-15 KVM

1 console	*Combo* DB-15 8 port		RKP217 - S 801	RKP219 - S 801
2 consoles			RKP217 - 802	RKP219 - 802
2 consoles			RKP217 - IP 802	RKP219 - IP 802
1 console	*Combo* DB-15 16 port		RKP217 - S 1601	RKP219 - S 1601
2 consoles			RKP217 - 1602	RKP219 - 1602
2 consoles			RKP217 - IP 1602	RKP219 - IP 1602

PS/2 DB-15 KVM

1 console	DB-15	8 port 16 port	RKP217 - 801 RKP217 - 1601	RKP219 - 801 RKP219 - 1601

RKP-2415
RKP-2417
RKP-2419

LCD Drawer & KVM Benefits

- **2U dual slide rackmount drawer with either 15", 17" or 19" LCD**
- **Short depth design of 480mm (18.9") only**
- **Depth will suit a 600mm rack application**
- **Multi-user Matrix KVM with either 16 or 32 ports in 2U**
- **Cost efficient Combo KVM integration**
- **Secure remote user access across the world wide web**
- **"One Man" installation slides for easy, quick installation**

Drawer Features & Options

- Combo interface either PS/2 or USB input to the LCD drawer
- Multiple keyboard language selections with either touchpad or trackball
- Slide rails with fixed positions to prevent drawer movement when typing
- Enhanced aesthetics with new molded front panel and two point lock

Sun microsystems IBM hp DELL Windows Linux

Options

page 103~104 for full details

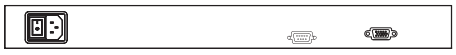
AV	DVI	DC	Touch Screen	Audio
BNC + S-Video	DVI-D	DC Power		

BNC + S-Video

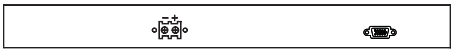
Touchscreen - USB

DVI-D

Touchscreen - Serial



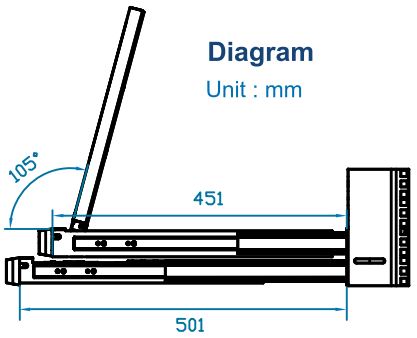
DC Power



Audio

Diagram

Unit : mm



With DC power option, the depth of RKP-2415 / RKP-2417 / RKP-2419 will be extended from 480mm (18.9") to 530mm (20.9")

Monitor

SAMSUNG Grade A 15", 17" or 19" industrial TFT LCD panel

page 105 for full monitor details

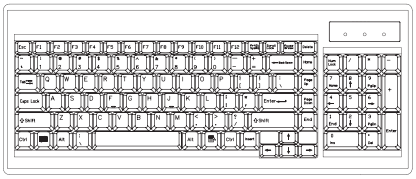
Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
RKP-2415 / RKP-2417	442 x 480 x 88 mm 17.4 x 18.9 x 3.5 inch	584 x 616 x 216 mm 23 x 24.3 x 8.5 inch	17 kg / 37 lbs	23 kg / 51 lbs
RKP-2419	442 x 480 x 88 mm 17.4 x 18.9 x 3.5 inch	584 x 616 x 216 mm 23 x 24.3 x 8.5 inch	18 kg / 40 lbs	24 kg / 53 lbs

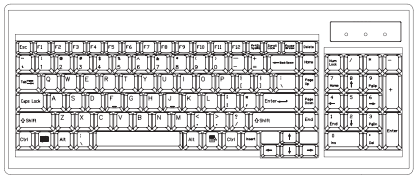
Keyboard Selection

Supporting layouts

Ne **N keyboard integrated with touchpad**



Nb **N keyboard integrated with trackball**



page 106 for full keyboard details

KVM Selection

Base Model	15" LCD Series	17" LCD Series	19" LCD Series
• Single port w/o KVM • Combo interface	RKP-2415	RKP-2417	RKP-2419

No KVM membrane button will be provided for all models

page 23~38 for KVM specifications, page 107~110 for KVM rear I/O

Matrix Cat6 KVM

2 consoles	*Matrix* Cat6 16 port	RKP2415 - MU 1602	RKP2417 - MU 1602	RKP2419 - MU 1602
3 consoles		RKP2415 - MU 1603	RKP2417 - MU 1603	RKP2419 - MU 1603
4 consoles		RKP2415 - MU 1604	RKP2417 - MU 1604	RKP2419 - MU 1604
3 consoles	*Matrix* IP Cat6 16 port	RKP2415 - MU IP 1613	RKP2417 - MU IP 1613	RKP2419 - MU IP 1613
4 consoles		RKP2415 - MU IP 1614	RKP2417 - MU IP 1614	RKP2419 - MU IP 1614
4 consoles		RKP2415 - MU IP 1624	RKP2417 - MU IP 1624	RKP2419 - MU IP 1624
2 consoles	*Matrix* Cat6 32 port	RKP2415 - MU 3202	RKP2417 - MU 3202	RKP2419 - MU 3202
3 consoles		RKP2415 - MU 3203	RKP2417 - MU 3203	RKP2419 - MU 3203
4 consoles		RKP2415 - MU 3204	RKP2417 - MU 3204	RKP2419 - MU 3204
3 consoles	*Matrix* IP Cat6 32 port	RKP2415 - MU IP 3213	RKP2417 - MU IP 3213	RKP2419 - MU IP 3213
4 consoles		RKP2415 - MU IP 3214	RKP2417 - MU IP 3214	RKP2419 - MU IP 3214
4 consoles		RKP2415 - MU IP 3224	RKP2417 - MU IP 3224	RKP2419 - MU IP 3224

Matrix DB-15 KVM

2 consoles	*Matrix* DB-15 8 port	RKP2415 - M 802	RKP2417 - M 802	RKP2419 - M 802
3 consoles		RKP2415 - M 803	RKP2417 - M 803	RKP2419 - M 803
4 consoles		RKP2415 - M 804	RKP2417 - M 804	RKP2419 - M 804
3 consoles	*Matrix* IP DB-15 8 port	RKP2415 - M IP 813	RKP2417 - M IP 813	RKP2419 - M IP 813
4 consoles		RKP2415 - M IP 814	RKP2417 - M IP 814	RKP2419 - M IP 814
4 consoles		RKP2415 - M IP 824	RKP2417 - M IP 824	RKP2419 - M IP 824
2 consoles	*Matrix* DB-15 16 port	RKP2415 - M 1602	RKP2417 - M 1602	RKP2419 - M 1602
3 consoles		RKP2415 - M 1603	RKP2417 - M 1603	RKP2419 - M 1603
4 consoles		RKP2415 - M 1604	RKP2417 - M 1604	RKP2419 - M 1604
3 consoles	*Matrix* IP DB-15 16 port	RKP2415 - M IP 1613	RKP2417 - M IP 1613	RKP2419 - M IP 1613
4 consoles		RKP2415 - M IP 1614	RKP2417 - M IP 1614	RKP2419 - M IP 1614
4 consoles		RKP2415 - M IP 1624	RKP2417 - M IP 1624	RKP2419 - M IP 1624

Combo Cat6 KVM

1 console	*Combo* Cat6 8 port	RKP2415 - U 801	RKP2417 - U 801	RKP2419 - U 801
2 consoles		RKP2415 - U 802	RKP2417 - U 802	RKP2419 - U 802
2 consoles		RKP2415 - U IP 802	RKP2417 - U IP 802	RKP2419 - U IP 802
1 console	*Combo* Cat6 16 port	RKP2415 - U 1601	RKP2417 - U 1601	RKP2419 - U 1601
2 consoles		RKP2415 - U 1602	RKP2417 - U 1602	RKP2419 - U 1602
2 consoles		RKP2415 - U IP 1602	RKP2417 - U IP 1602	RKP2419 - U IP 1602
1 console	*Combo* Cat6 32 port	RKP2415 - U 3201	RKP2417 - U 3201	RKP2419 - U 3201
2 consoles		RKP2415 - U 3202	RKP2417 - U 3202	RKP2419 - U 3202
2 consoles		RKP2415 - U IP 3202	RKP2417 - U IP 3202	RKP2419 - U IP 3202

Combo DB-15 KVM

1 consoles	*Combo* DB-15 8 port	RKP2415 - S 801	RKP2417 - S 801	RKP2419 - S 801
2 consoles		RKP2415 - 802	RKP2417 - 802	RKP2419 - 802
2 consoles		RKP2415 - IP 802	RKP2417 - IP 802	RKP2419 - IP 802
1 console	*Combo* DB-15 16 port	RKP2415 - S 1601	RKP2417 - S 1601	RKP2419 - S 1601
2 consoles		RKP2415 - 1602	RKP2417 - 1602	RKP2419 - 1602
2 consoles		RKP2415 - IP 1602	RKP2417 - IP 1602	RKP2419 - IP 1602

PS/2 DB-15 KVM

1 console	8 port DB-15 16 port	RKP2415 - 801	RKP2417 - 801	RKP2419 - 801
		RKP2415 - 1601	RKP2417 - 1601	RKP2419 - 1601

S-217
S-219

SOLARIS®

LCD Drawer & KVM Benefits

- **2U dual slide rackmount drawer with either 17" or 19" LCD**
- **Direct support for SUN Micro 1152 x 900 native resolution**
- **Multi-user Matrix KVM with either 16 or 32 ports in 2U**
- **Cost efficient Combo KVM integration**
- **Mix PS/2, USB & SUN with Multi-Platform switch capability**
- **Secure remote user access across the world wide web**
- **"One Man" installation slides for easy, quick installation**

Drawer Features & Options

- Combo interface either PS/2 or USB input to the LCD drawer
- SUN key support including Stop, Cut, Paste, Compose etc
- US and UK keyboard language selections with either touchpad or trackball
- Slide rails with fixed positions to prevent drawer movement when typing
- Enhanced aesthetics with new molded front panel and two point lock

Sun microsystems IBM hp DELL Windows Linux

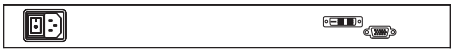
Options

page 103~104 for full details

DVI DVI-D

DC DC Power

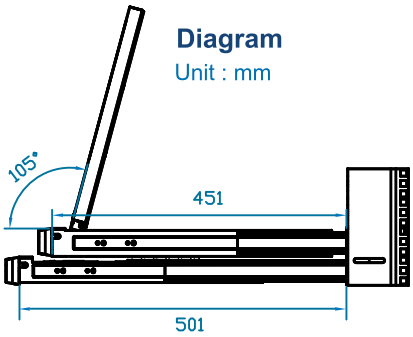
DVI-D



DC Power

Diagram

Unit : mm



Monitor

SAMSUNG Grade A 17", 19" industrial TFT LCD panel

page 105 for full monitor details

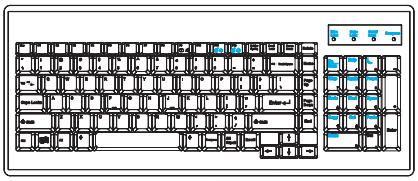
Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
S-217 / S-219	442 x 600 x 88 mm 17.4 x 23.6 x 3.5 inch	581 x 753 x 216 mm 22.9 x 29.6 x 8.5 inch	18 kg / 40 lbs	24 kg / 53 lbs

Keyboard Selection

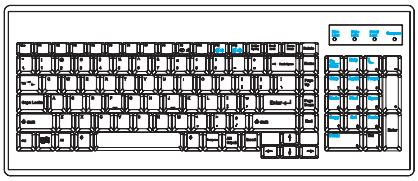
Supporting layouts USB interface, Incorporates SUN keys

Se NS keyboard integrated with touchpad



SOLARIS®

Sb NS keyboard integrated with trackball



SOLARIS®

page 106 for full keyboard details

KVM Selection

Base Model	17" LCD Series	19" LCD Series
• Single port w/o KVM • USB interface	S-217	S-219

Matrix Cat6 KVM

page 23~38 for KVM specifications, page 107~110 for KVM rear I/O

2 consoles	*Matrix* Cat6 16 port		S217 - MU 1602	S219 - MU 1602
3 consoles			S217 - MU 1603	S219 - MU 1603
4 consoles			S217 - MU 1604	S219 - MU 1604
3 consoles	*Matrix* IP Cat6 16 port		S217 - MU IP 1613	S219 - MU IP 1613
4 consoles			S217 - MU IP 1614	S219 - MU IP 1614
4 consoles			S217 - MU IP 1624	S219 - MU IP 1624
2 consoles	*Matrix* Cat6 32 port		S217 - MU 3202	S219 - MU 3202
3 consoles			S217 - MU 3203	S219 - MU 3203
4 consoles			S217 - MU 3204	S219 - MU 3204
3 consoles	*Matrix* IP Cat6 32 port		S217 - MU IP 3213	S219 - MU IP 3213
4 consoles			S217 - MU IP 3214	S219 - MU IP 3214
4 consoles			S217 - MU IP 3224	S219 - MU IP 3224

Matrix DB-15 KVM

2 consoles	*Matrix* DB-15 8 port		S217 - M 802	S219 - M 802
3 consoles			S217 - M 803	S219 - M 803
4 consoles			S217 - M 804	S219 - M 804
3 consoles	*Matrix* IP DB-15 8 port		S217 - M IP 813	S219 - M IP 813
4 consoles			S217 - M IP 814	S219 - M IP 814
4 consoles			S217 - M IP 824	S219 - M IP 824
2 consoles	*Matrix* DB-15 16 port		S217 - M 1602	S219 - M 1602
3 consoles			S217 - M 1603	S219 - M 1603
4 consoles			S217 - M 1604	S219 - M 1604
3 consoles	*Matrix* IP DB-15 16 port		S217 - M IP 1613	S219 - M IP 1613
4 consoles			S217 - M IP 1614	S219 - M IP 1614
4 consoles			S217 - M IP 1624	S219 - M IP 1624

Combo Cat6 KVM

1 console	*Combo* Cat6 8 port		S217 - U 801	S219 - U 801
2 consoles			S217 - U 802	S219 - U 802
2 consoles			S217 - U IP 802	S219 - U IP 802
1 console	*Combo* Cat6 16 port		S217 - U 1601	S219 - U 1601
2 consoles			S217 - U 1602	S219 - U 1602
2 consoles			S217 - U IP 1602	S219 - U IP 1602
1 console	*Combo* Cat6 32 port		S217 - U 3201	S219 - U 3201
2 consoles			S217 - U 3202	S219 - U 3202
2 consoles			S217 - U IP 3202	S219 - U IP 3202

Combo DB-15 KVM

1 console	*Combo* DB-15 8 port		S217 - S 801	S219 - S 801
2 consoles			S217 - 802	S219 - 802
2 consoles			S217 - IP 802	S219 - IP 802
1 console	*Combo* DB-15 16 port		S217 - S 1601	S219 - S 1601
2 consoles			S217 - 1602	S219 - 1602
2 consoles			S217 - IP 1602	S219 - IP 1602

RKP-7
RKP-9

LCD Drawer & KVM Benefits

- **Use of a true optical mouse**
- **Multi-user Matrix KVM with either 16 or 32 ports in 1U**
- **Cost efficient Combo KVM integration**
- **"One Man" installation slides for easy, quick installation**
- **Mix PS/2, USB & SUN with Multi-Platform switch capability**
- **Secure remote user access across the world wide web**

Drawer Features & Options

- 1U rackmount drawer with either 17" or 19" LCD
- Combo interface either PS/2 or USB input to the LCD drawer
- Multiple keyboard language selections with a true optical mouse
- Slide rails with fixed positions to prevent drawer movement when typing
- Enhanced aesthetics with new molded front panel and two point lock

Sun microsystems IBM hp DELL Windows Linux

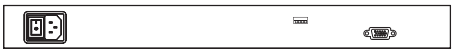
Options

page 103~104 for full details

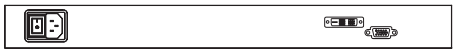
AV	DVI	DC	Touch Screen	Audio
BNC + S-Video	DVI-D	DC Power	Touch Screen	Audio

BNC + S-Video

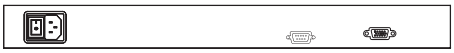
Touchscreen - USB



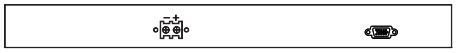
DVI-D



Touchscreen - Serial



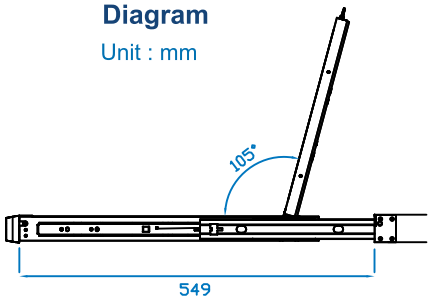
DC Power



Audio

Diagram

Unit : mm



***With touchscreen option, the height of RKP-7 / RKP-9 will be changed from 1U to 1.5U**

Monitor

SAMSUNG Grade A 17", 19" industrial TFT LCD panel page 105 for full monitor details

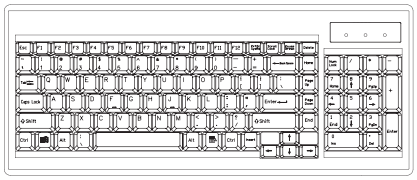
Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
RKP-7 Series	442 x 650 x 44 mm 17.4 x 25.6 x 1.73 inch	589 x 826 x 168 mm 23.2 x 32.5 x 6.6 inch	17 kg / 37 lbs	23 kg / 51 lbs
RKP-9 Series	442 x 700 x 44 mm 17.4 x 27.6 x 1.73 inch	589 x 856 x 168 mm 23.2 x 33.7 x 6.6 inch	18 kg / 40 lbs	24 kg / 53 lbs

Keyboard Selection

Supporting layouts

N **N keyboard with full numerical pad**



Option - Wireless optical mouse

page 106 for full keyboard details

KVM Selection

Base Model	17" LCD Series	19" LCD Series
• Single port w/o KVM • Combo interface	RKP-7	RKP-9

Matrix Cat6 KVM

page 23~38 for KVM specifications, page 107~110 for KVM rear I/O

2 consoles	***Matrix*** Cat6 16 port	RKP7 - MU 1602	RKP9 - MU 1602
3 consoles		RKP7 - MU 1603	RKP9 - MU 1603
4 consoles		RKP7 - MU 1604	RKP9 - MU 1604
3 consoles	***Matrix*** IP Cat6 16 port	RKP7 - MU IP 1613	RKP9 - MU IP 1613
4 consoles		RKP7 - MU IP 1614	RKP9 - MU IP 1614
4 consoles		RKP7 - MU IP 1624	RKP9 - MU IP 1624
2 consoles	***Matrix*** Cat6 32 port	RKP7 - MU 3202	RKP9 - MU 3202
3 consoles		RKP7 - MU 3203	RKP9 - MU 3203
4 consoles		RKP7 - MU 3204	RKP9 - MU 3204
3 consoles	***Matrix*** IP Cat6 32 port	RKP7 - MU IP 3213	RKP9 - MU IP 3213
4 consoles		RKP7 - MU IP 3214	RKP9 - MU IP 3214
4 consoles		RKP7 - MU IP 3224	RKP9 - MU IP 3224

Matrix DB-15 KVM

2 consoles	***Matrix*** DB-15 8 port	RKP7 - M 802	RKP9 - M 802
3 consoles		RKP7 - M 803	RKP9 - M 803
4 consoles		RKP7 - M 804	RKP9 - M 804
3 consoles	***Matrix*** IP DB-15 8 port	RKP7 - M IP 813	RKP9 - M IP 813
4 consoles		RKP7 - M IP 814	RKP9 - M IP 814
4 consoles		RKP7 - M IP 824	RKP9 - M IP 824
2 consoles	***Matrix*** DB-15 16 port	RKP7 - M 1602	RKP9 - M 1602
3 consoles		RKP7 - M 1603	RKP9 - M 1603
4 consoles		RKP7 - M 1604	RKP9 - M 1604
3 consoles	***Matrix*** IP DB-15 16 port	RKP7 - M IP 1613	RKP9 - M IP 1613
4 consoles		RKP7 - M IP 1614	RKP9 - M IP 1614
4 consoles		RKP7 - M IP 1624	RKP9 - M IP 1624

Combo Cat6 KVM

1 console	***Combo*** Cat6 8 port	RKP7 - U 801	RKP9 - U 801
2 consoles		RKP7 - U 802	RKP9 - U 802
2 consoles		RKP7 - U IP 802	RKP9 - U IP 802
1 console	***Combo*** Cat6 16 port	RKP7 - U 1601	RKP9 - U 1601
2 consoles		RKP7 - U 1602	RKP9 - U 1602
2 consoles		RKP7 - U IP 1602	RKP9 - U IP 1602
1 console	***Combo*** Cat6 32 port	RKP7 - U 3201	RKP9 - U 3201
2 consoles		RKP7 - U 3202	RKP9 - U 3202
2 consoles		RKP7 - U IP 3202	RKP9 - U IP 3202

Combo DB-15 KVM

1 console	***Combo*** DB-15 8 port	RKP7 - S 801	RKP9 - S 801
2 consoles		RKP7 - 802	RKP9 - 802
2 consoles		RKP7 - IP 802	RKP9 - IP 802
1 console	***Combo*** DB-15 16 port	RKP7 - S 1601	RKP9 - S 1601
2 consoles		RKP7 - 1602	RKP9 - 1602
2 consoles		RKP7 - IP 1602	RKP9 - IP 1602

PS/2 DB-15 KVM

1 console	DB-15 8 port	RKP7 - 801	RKP9 - 801
	16 port	RKP7 - 1601	RKP9 - 1601

RKP-1617 / 1619

LCD Drawer Benefits

- 1U rackmount drawer with either 17" or 19" LCD
- Combo interface either PS/2 or USB input to the LCD drawer
- US keyboard layout with either trackball or touchpad selection
- "One Man" installation slides for easy, quick installation
- Slide rails with fixed positions to prevent drawer movement when typing
- Enhanced aesthetics with new molded front panel and two point lock

Sun microsystems IBM hp DELL Windows Linux

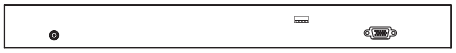
Options

page 103~104 for full details

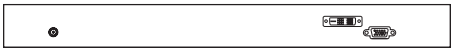
AV	DVI	DC		
BNC + S-Video	DVI-D	DC Power	Touch Screen	Audio

BNC + S-Video

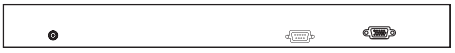
Touchscreen - USB



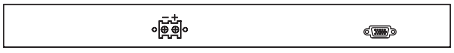
DVI-D



Touchscreen - Serial



DC Power

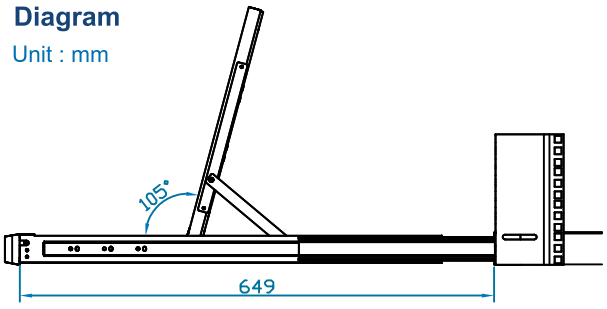


Audio

With DVI-D or DC power option, the depth of RKP-1617 / RKP-1619 will be extended from 700mm (27.6") to 750mm (29.5")

Diagram

Unit : mm



Monitor

SAMSUNG Grade A 17" or 19" industrial TFT LCD panel page 105 for full monitor details

Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
RKP-1617 Series	442 x 700 x 44 mm 17.4 x 27.6 x 1.73 inch	589 x 856 x 168 mm 23.2 x 33.7 x 6.6 inch	18 kg / 40 lbs	24 kg / 53 lbs
RKP-1619 Series	442 x 700 x 44 mm 17.4 x 27.6 x 1.73 inch	589 x 856 x 168 mm 23.2 x 33.7 x 6.6 inch	19 kg / 42 lbs	25 kg / 55 lbs

Model Selection

Base Model	17" LCD Series	19" LCD Series
• Single port w/o KVM • Combo interface	RKP-1617	RKP-1619

Keyboard Selection

Supporting layouts only

d **Compact keyboard integrated with trackball**

t **Compact keyboard integrated with touchpad mouse**

page 106 for full keyboard details

CS-116

DC 12V, 24V and 48V DC Power options

Serial Console Server Benefits

- **Designed for SUN Solaris or other headless servers**
- **Supports all rackmount serial equipment including hubs, routers, modems, UPs & PDU**
- **Supports all common O/S including Linux, Solaris, Windows Server 2003**

Switch Features & Options

- Near real time console performance allows remote server / device management
- Independent support for multi servers and different operating system
- Utilizes Cat6 cables allow field termination of cable length
- Multi level authentication via local database security
- SMTP e-mail alert functions for critical events

Designed for Branded Headless Servers :

SOLARIS® Windows Server 2003 Linux

SUN	Sun Fire / Netra / Blade series Sun SPARC Enterprise Series
IBM	IBM BladeCenter S / H / E / T / HT IBM System x / P / i series IBM Remote Supervisor Adapter II
HP	HP ProLiant DL / ML HP ProLiant BL blades HP 9000 servers
Others	

Designed for Branded Serial Devices :

APC	**PDUs**	Metered & Switched
ServerTech	**PDUs**	Sentry Smart
Cisco	**Routers**	800 / 1800 / 2800 / 3800 series
Juniper	**Routers**	E / J / m-series Services
Cisco	**Switches**	Catalyst series
Juniper	**Switches**	EX-series Ethernet
Others		

** All brand names, logo and registered trademarks are properties of their respective owners.

Technical Specification

- **Serial Port :** 16 x RJ45 RS-232, 300 to 115.2K bps
- **Ethernet Port** 1 x RJ45 10BaseT
- **Security :** SSH v2, IP filtering, https, SSL, password access
- **Authentication :** Radius, SSH, Telnet & user database
- **Protocol :** RCP, UDP, IP, ARP, ICMP, http / https, telnet, PPP, DHCP / BOOTP, SMTP, DNS, NTP, Dynamic DNS
- **Compatibility :**
  Console server, PC-based headless server, any serially managed device
  IBM blade center
- **Power :** 100~240VAC, 50/ 60Hz 0.5A via IEC cable
- **Regulatory Approval :** FCC, CE
- **Environmental**

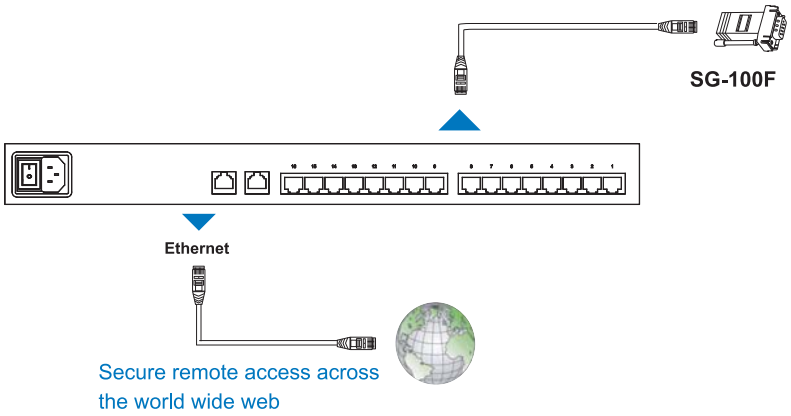
Operating :	0 to 50°C
Storage :	-5 to 60°C
Relative humidity :	90%, non-condensing
Shock :	50G peak acceleration (11 ms, half-sine wave)
Vibration :	58~100Hz / 0.98G (11 ms / cycle)

Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
CS-116	446 x 180 x 44 mm 17.6 x 7.1 x 1.73 inch	510 x 400 x 77 mm 20.1 x 15.7 x 3 inch	3.5 kg / 8 lbs	4.5 kg / 10 lbs

CyberView™ — Connect your 1U IP 16-port Serial Console Server

I Connection with headless servers

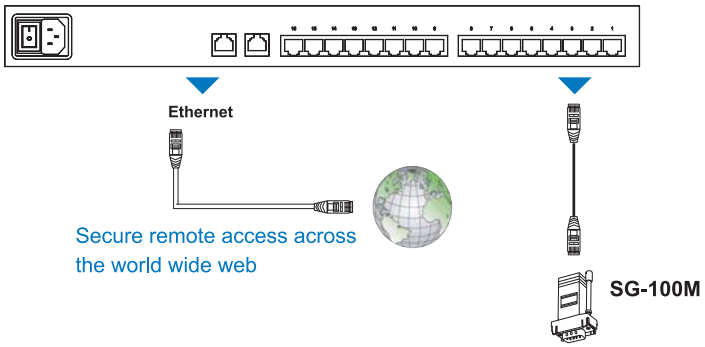


SUN	Sun Fire / Netra / Blade series Sun SPARC Enterprise Series
IBM	IBM BladeCenter S / H / E / T / HT IBM System x / P / i series IBM Remote Supervisor Adapter II
HP	HP ProLiant DL / ML HP ProLiant BL blades HP 9000 servers

Others

SOLARIS® Windows Server 2003 Linux

II Connection with serial device equipment



APC	**PDUs**	Metered & Switched
ServerTech	**PDUs**	Sentry Smart
Cisco	**Routers**	800 / 1800 / 2800 / 3800 series
Juniper	**Routers**	E / J / m-series Services
Cisco	**Switches**	Catalyst series
Juniper	**Switches**	EX-series Ethernet
Others		

Accessories

SG-100M
RJ45-DB9 male adapter

SG-100F
RJ45-DB9 female adapter

CU-3 CU-10
CU-6 CU-15 CU-33
Cat6 cable - 3, 6, 10, 15 & 33 ft

** All brand names, logo and registered trademarks are properties of their respective owners.

NCP-1701

DC 12V, 24V and 48V DC Power options

Serial Console LCD Drawer Benefits

- **Designed to connect brand name console server switches**
- **Fully compatible with SUN & all other branded headless servers**
- **Large range of ASCII serial terminal emulations**
- **Up to 12 multi-sessions, multiple log-in**
- **No hard drive or memory inside for secure environment**

Drawer Features & Options

- 1U rackmount drawer with 17" LCD
- "One Man" installation slides for easy, quick installation
- Optional mounting hardware for two post telco style racks
- Slide rails with fixed positions to prevent drawer movement when typing
- An aesthetically enhanced latching front panel to release the two point lock

Designed for Branded Multi-Port Console Servers :

Avocent	CCM4850 / 1650 / 850 series
Cyclades	SC60xx, ATP00xx, CCS40xx series
Digi	CM 8 / 16 / 32 / 48 series
MRV	LX 1000X / 1000T / 4000T / 8000S
Perle	CS9000 / SCS / STS / SDS series
Rose	UltraConsole 8 / 16 series
Raritan	DSX / DSXA series
Thinklogical	SCS / SCS-R / Sentinel series
Others	

** All brand names, logo and registered trademarks are properties of their respective owners.

Designed for Branded Headless Servers :

SOLARIS® Microsoft Windows Server 2003 Linux

SUN	Sun Fire / Netra / Blade series Sun SPARC Enterprise Series
IBM	IBM BladeCenter S / H / E / T / HT IBM System x / P / i series IBM Remote Supervisor Adapter II
HP	HP ProLiant DL / ML HP ProLiant BL blades HP 9000 servers
Others	

Technical Specification

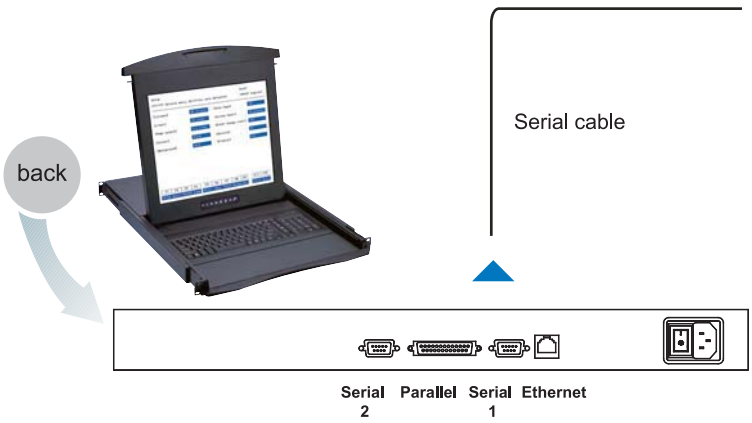
- **Console**
  Screen : 17" Grade A LCD, 800 x 600
  Input : 104-key keyboard
- **Serial Port :** 1 x DB-9 RS-232, 50 to 115.2K bps
- **Terminal Emulations**
  WY-50+, WY-60, WY-120, WY-325, ADDS A2, PCG Alpha, TV1910+, TV1925, PC Term, VT52, VT100, VT220, Console ANSI
- **Ethernet Port** 1 x RJ45 10BaseT
  Up to 12 telnet session to multiple servers
- **Printer Port :** 1 x DB-9 serial and 1 x DB-25 parallel
- **Compatibility :**
  Console server, PC-based headless server, any serially managed device
  IBM blade center
- **Power :** 100~240VAC, 50/ 60Hz 0.5A via IEC cable
- **Regulatory Approval :** FCC, CE
- **Environmental**
  Operating : 0 to 50°C
  Storage : -5 to 60°C
  Relative humidity : 90%, non-condensing
  Shock : 50G peak acceleration (11 ms, half-sine wave)
  Vibration : 58~100Hz / 0.98G (11 ms / cycle)

Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
NCP-1701	442 x 650 x 44 mm 17.4 x 25.6 x 1.73 inch	589 x 856 x 168 mm 23.2 x 33.7 x 6.6 inch	16 kg / 35 lbs	22 kg / 48 lbs

CyberView™ — Connect your Serial Console LCD Drawer

I Connection with headless servers

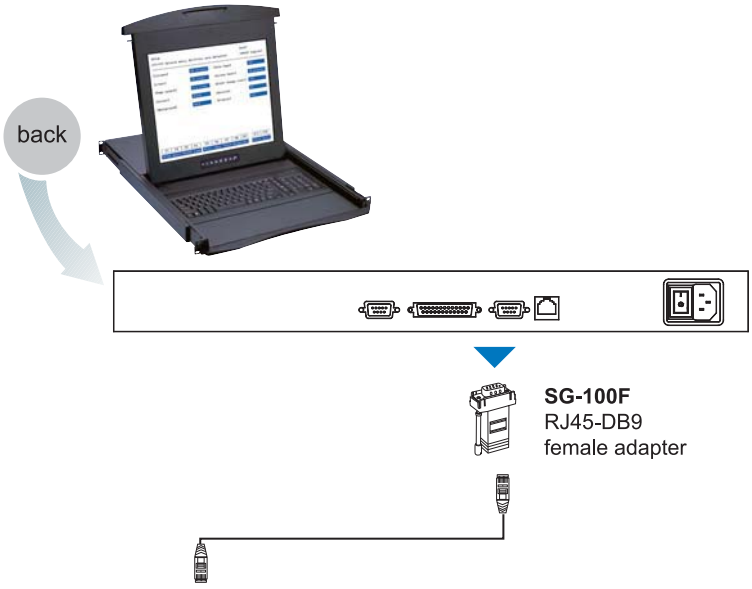


SUN	Sun Fire / Netra / Blade series Sun SPARC Enterprise Series
IBM	IBM BladeCenter S / H / E / T / HT IBM System x / P / i series IBM Remote Supervisor Adapter II
HP	HP ProLiant DL / ML HP ProLiant BL blades HP 9000 servers

Others

SOLARIS® Windows Server 2003 Linux

II Connection with serial consoles



SG-100F
RJ45-DB9
female adapter

Branded Multi-Port Serial Console Servers

Avocent	CCM4850 / 1650 / 850 series
Cyclades	SC60xx, ATP00xx, CCS40xx series
Digi	CM 8 / 16 / 32 / 48 series
MRV	LX 1000X / 1000T / 4000T / 8000S
Perle	CS9000 / SCS / STS / SDS series
Rose	UltraConsole 8 / 16 series
Raritan	DSX / DSXA series
Thinklogical	SCS / SCS-R / Sentinel series

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NCP-1716

DC 12V, 24V and 48V DC Power options

Serial Console LCD Drawer Benefits

- **Designed for SUN Solaris or other branded headless servers**
- **Supports all common O/S including Linux, Solaris, Windows Server 2003**
- **Port buffering / logging for detailed troubleshooting**
- **Supports SSH secure communications between computer platforms**
- **Secure remote IP access using SSH or telnet clients**

Drawer Features & Options

- 1U rackmount drawer with 17" LCD
- "One Man" installation slides for easy, quick installation
- Near real time console performance allows of remote server / device management
- Utilizes Cat6 cables allow for field termination of cable length
- Optional mounting hardware for two post telco style racks
- Slide rails with fixed positions to prevent drawer movement when typing
- An aesthetically enhanced latching front panel to release the two point lock

Designed for Branded Headless Servers :

SOLARIS® Windows Server 2003 Linux

SUN	Sun Fire / Netra / Blade series
	Sun SPARC Enterprise Series
IBM	IBM BladeCenter S / H / E / T / HT
	IBM System x / P / i series
	IBM Remote Supervisor Adapter II
HP	HP ProLiant DL / ML
	HP ProLiant BL blades
	HP 9000 servers
Others	

Designed for Branded Serial Devices :

APC	**PDUs**	Metered & Switched
ServerTech	**PDUs**	Sentry Smart
Cisco	**Routers**	800 / 1800 / 2800 / 3800 series
Juniper	**Routers**	E / J / m-series Services
Cisco	**Switches**	Catalyst series
Juniper	**Switches**	EX-series Ethernet
Others		

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Technical Specification

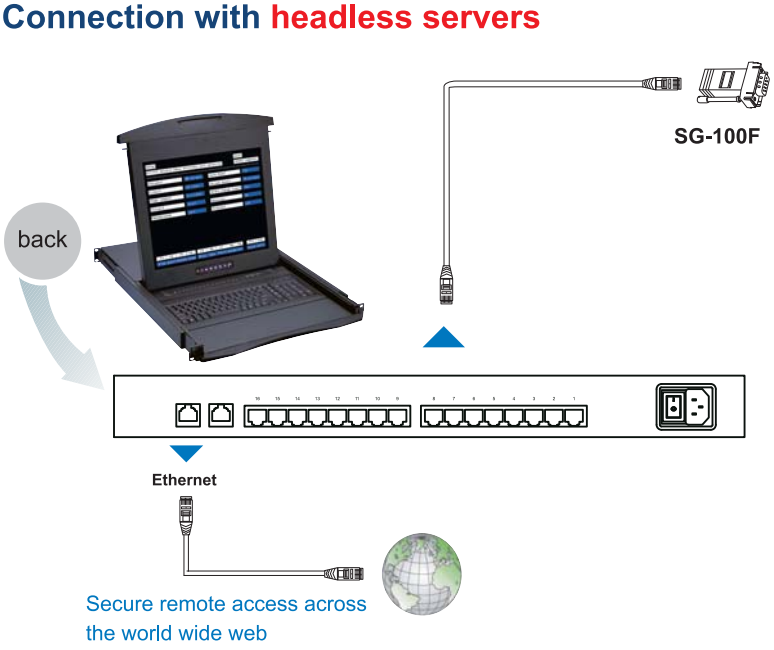
- **Console**
  Screen : 17" Grade A LCD, 800 x 600
  Input : 104-key keyboard
- **Serial Port :** 16 x RJ45 RS-232, 300 to 115.2K bps
- **Ethernet Port** 1 x RJ45 10BaseT
- **Security :** SSH v2, IP filtering, https, SSL, password access
- **Authentication :** Radius, SSH, Telnet & user database
- **Protocol :** RCP, UDP, IP, ARP, ICMP, http / https, telnet, PPP, DHCP / BOOTP, SMTP, DNS, NTP, Dynamic DNS
- **Compatibility :**
  Console server, PC-based headless server, any serially managed device
  IBM blade center
- **Power :** 100~240VAC, 50/ 60Hz 0.5A via IEC cable
- **Regulatory Approval :** FCC, CE
- **Environmental**
  Operating : 0 to 50°C
  Storage : -5 to 60°C
  Relative humidity : 90%, non-condensing
  Shock : 50G peak acceleration (11 ms, half-sine wave)
  Vibration : 58~100Hz / 0.98G (11ms / cycle)

Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
NCP-1716	442 x 650 x 44 mm 17.4 x 25.6 x 1.73 inch	589 x 856 x 168 mm 23.2 x 33.7 x 6.6 inch	16 kg / 35 lbs	22 kg / 48 lbs

CyberView™ — Connect your 16-port IP Serial Console LCD Drawer

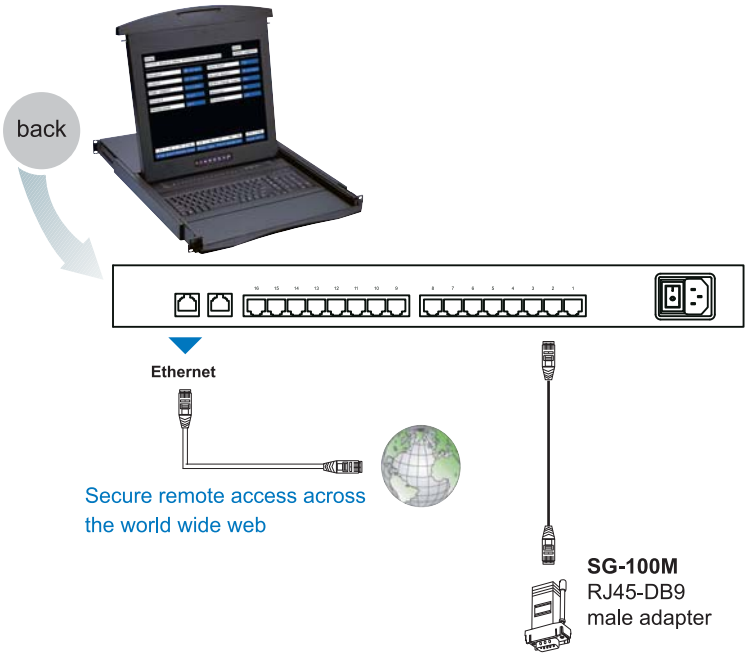
I Connection with headless servers



SUN	Sun Fire / Netra / Blade series Sun SPARC Enterprise Series
IBM	IBM BladeCenter S / H / E / T / HT IBM System x / P / i series IBM Remote Supervisor Adapter II
HP	HP ProLiant DL / ML HP ProLiant BL blades HP 9000 servers
Others	

SOLARIS® Windows Server 2003 Linux

II Connection with serial device equipment



APC	**PDUs**	Metered & Switched
ServerTech	**PDUs**	Sentry Smart
Cisco	**Routers**	800 / 1800 / 2800 / 3800 series
Juniper	**Routers**	E / J / m-series Services
Cisco	**Switches**	Catalyst series
Juniper	**Switches**	EX-series Ethernet
Others		

** All brand names, logo and registered trademarks are properties of their respective owners.

RP-W822

New

LCD Display Benefits

- **22" widescreen LCD with high resolution 1680 x 1050**
- **Ideal for CCTV security & industrial control**

Display Features & Options

- 8U LCD display with 22" widescreen LCD
- Quad display option
- Touchscreen option
- 12V, 24V and 48V DC power options
- AV + BNC, Audio and DVI-D options
- NEMA 4 and IP65 options for front protection

Options

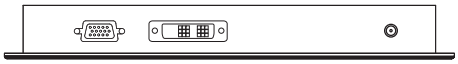
page 103~104 for full details

AV	DVI	DC			QD	IP65
BNC + S-Video	DVI-D	DC Power	Touch Screen	Audio	Quad Display	NEMA 4

S-Video + BNC

Touchscreen - USB

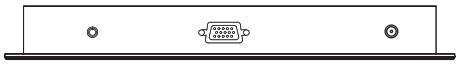
DVI-D



Touchscreen - Serial

DC Power

Audio



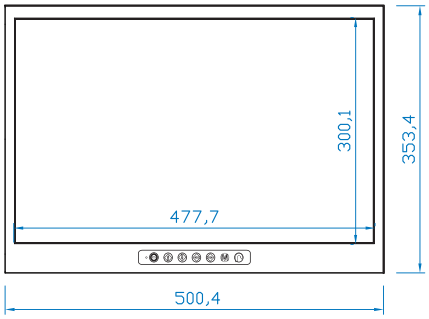
Monitor

SAMSUNG Grade A Wide 22" industrial TFT LCD panel

page 105 for full monitor details

Diagram

Unit : mm



Ordering Information

Model	RP-W822

Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
RP-W822 Series	500.4 x 59.1 x 353.4 mm 19.7 x 2.3 x 13.9 inch	565 x 539 x 156 mm 22.2 x 21.2 x 6.1 inch	12 kg / 26 lbs	15 kg / 33 lbs

The rackmount width will be increased under RP widescreen series.
With Quad Display option, 1U height will be increased on the casing. Page 82 for RP-W922QD specifications.

RP-W719

New

LCD Display Benefits

- **19" widescreen LCD with high resolution 1440 x 900**
- **Ideal for CCTV security & industrial control**

Display Features & Options

- 7U LCD display with 19" widescreen LCD
- Quad display option
- Touchscreen option
- 12V, 24V and 48V DC power options
- AV + BNC, Audio and DVI-D options
- NEMA 4 and IP65 options for front protection

Options

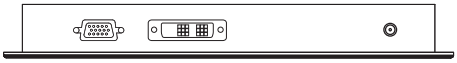
page 103~104 for full details

AV	DVI	DC			QD	IP65
BNC + S-Video	DVI-D	DC Power	Touch Screen	Audio	Quad Display	NEMA 4

S-Video + BNC

Touchscreen - USB

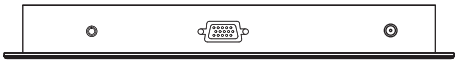
DVI-D



Touchscreen - Serial

DC Power

Audio



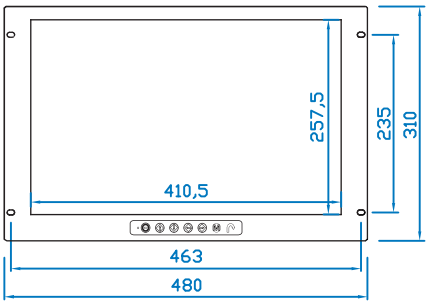
Monitor

SAMSUNG Grade A Wide 19" industrial TFT LCD panel

page 105 for full monitor details

Diagram

Unit : mm



Ordering Information

Model	RP-W719

Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
RP-W719 Series	480 x 57.5 x 310 mm 18.9 x 2.3 x 12.2 inch	565 x 495 x 156 mm 22.2 x 19.5 x 6.1 inch	8 kg / 18 lbs	10 kg / 22 lbs

The rackmount width will be increased under RP widescreen series.
With Quad Display option, 1U height will be increased on the casing. Page 83 for RP-W819QD specifications.

RP-W119

New

LCD Drawer Benefits

- **19" widescreen LCD with 1440 x 900 high resolution**
- **Sliding LCD allowing LCD to remain open when the rack door is closed**
- **Enhanced aesthetics with new molded front panel and two point lock**

Drawer Features & Options

- 1U rackmount LCD drawer with 19" widescreen LCD
- Quad display option
- 12V, 24V and 48V DC power options
- AV + BNC, Audio and DVI-D options

Options

page 103~104 for full details

AV — BNC + S-Video

DVI — DVI-D

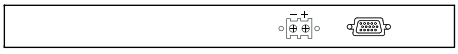
DC — DC Power

Audio

QD — Quad Display

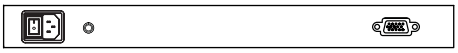
S-Video + BNC

DC Power



DVI-D

Audio



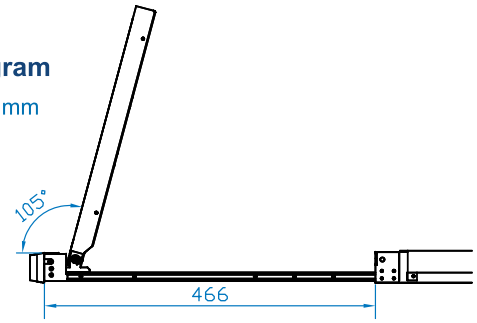
Monitor

SAMSUNG Grade A Wide 19" industrial TFT LCD panel

page 105 for full monitor details

Diagram

Unit : mm



Ordering Information

Model	RP-W119

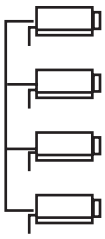
Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
RP-W119 Series	442 x 650 x 44 mm 17.4 x 25.6 x 1.73 inch	581 x 755 x 172 mm 22.9 x 29.7 x 6.8 inch	13 kg / 29 lbs	18 kg / 40 lbs

Page 84 for RP-W119QD specifications.

RP-W922QD

New



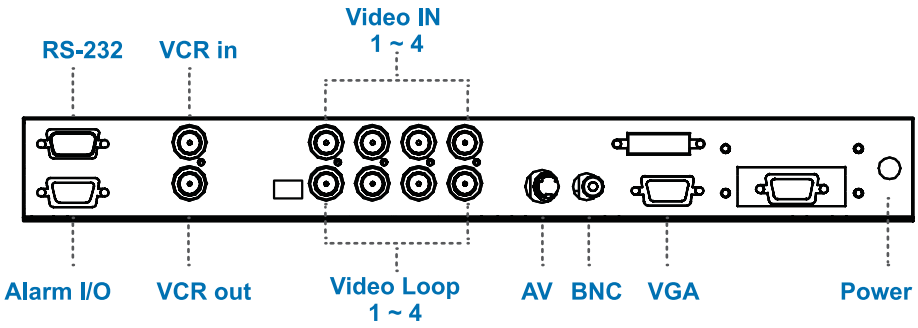
Camera
1 ~ 4

LCD Display Benefits

- Built-in Quad Display
- Ideal for CCTV security & industrial control
- High resolution 1680 x 1050, 22" widescreen LCD

Display Features & Options

- 22" widescreen LCD in 9U
- DC 12, 24 and 48 volt DC power options



Front QD membrane button

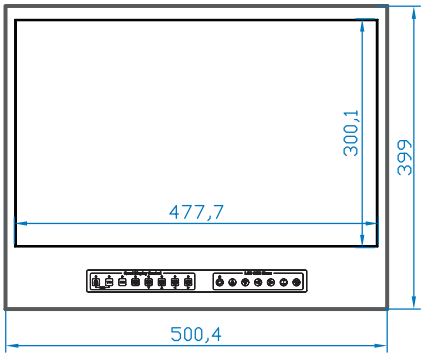
Monitor

SAMSUNG Grade A Wide 22" industrial TFT LCD panel

page 105 for full monitor details

Diagram

Unit : mm



Ordering Information

Model	RP-W922QD

Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
RP-W922QD Series	500.4 x 70.5 x 399 mm 19.7 x 2.8 x 15.7 inch	565 x 539 x 156 mm 22.2 x 21.2 x 6.1 inch	12 kg / 26 lbs	15 kg / 33 lbs

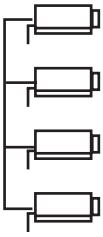
The rackmount width will be increased under RP widescreen series.
With Quad Display option, the front panel should be 2.0mm steel one.

RP-W819QD

New

LCD Display Benefits

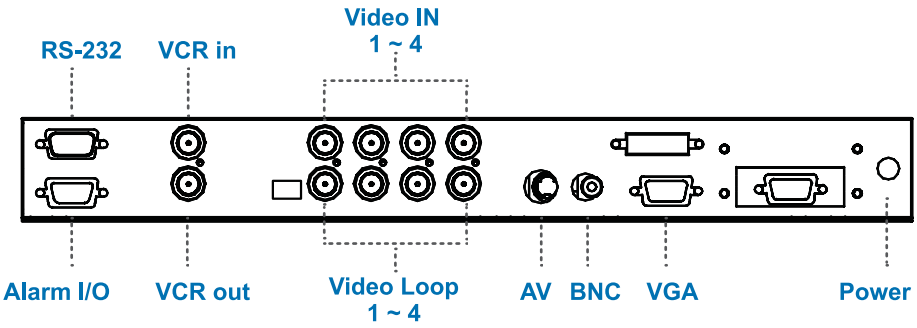
- Built-in Quad Display
- Ideal for CCTV security & industrial control
- High resolution 1440 x 900, 19" widescreen LCD



Camera
1 ~ 4

Display Features & Options

- 19" widescreen LCD in 8U
- DC 12V, 24V and 48V DC Power options



Front QD membrane button

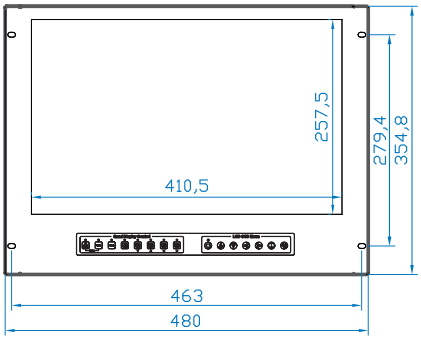
Monitor

SAMSUNG Grade A Wide 19" industrial TFT LCD panel

page 105 for full monitor details

Diagram

Unit : mm



Ordering Information

Model	RP-W819QD

Dimensions

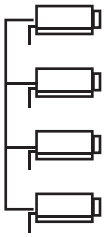
Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
RP-W819QD Series	480 x 71.5 x 354.8 mm 18.9 x 2.8 x 14 inch	565 x 495 x 156 mm 22.2 x 19.5 x 6.1 inch	8 kg / 18 lbs	10 kg / 22 lbs

The rackmount width will be increased under RP widescreen series.
With Quad Display option, the front panel should be 2.0mm steel one.

RP-W119QD New

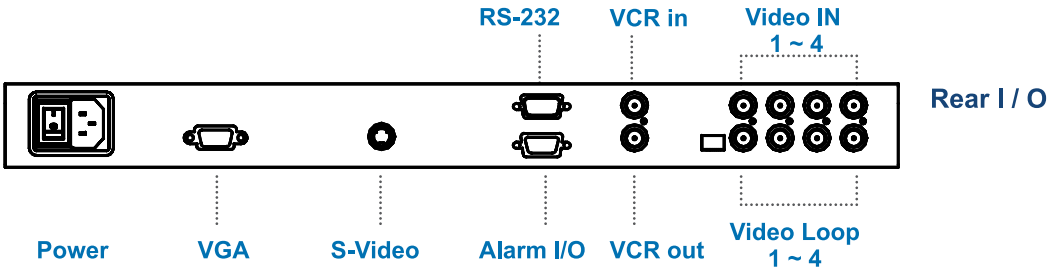
LCD Drawer Benefits

- Built-in Quad Display
- Ideal for CCTV security & industrial control
- High resolution 1440 x 900, 19" widescreen LCD
- Sliding LCD allowing LCD to remain open when the rack door is closed



Drawer Features & Options

- 1U LCD drawer 19" widescreen LCD
- DC 12V, 24V and 48V DC Power options



Front QD membrane button

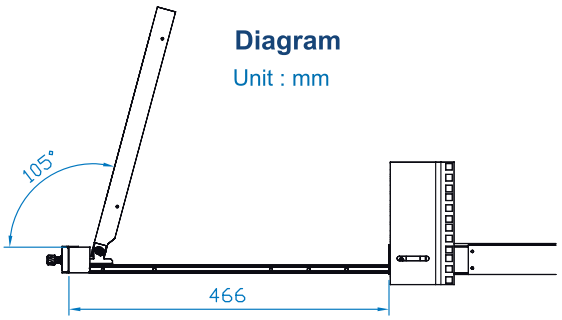
Monitor

SAMSUNG Grade A Wide 19" industrial TFT LCD panel

page 105 for full monitor details

Diagram

Unit : mm



Ordering Information

Model	RP-W119QD

Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
RP-W119QD Series	445 x 650 x 44 mm 17.5 x 25.6 x 1.73 inch	581 x 755 x 172 mm 22.9 x 29.7 x 6.8 inch	13 kg / 29 lbs	18 kg / 40 lbs

RP-120

New

LCD Drawer Benefits

- **20" LCD in 1U with 1600 x 1200 high resolution**
- **Sliding LCD allowing LCD to remain open when the rack door is closed**
- **Enhanced aesthetics with new molded front panel and two point lock**

Drawer Features & Options

- 1U rackmount LCD drawer with 20" LCD
- Quad display option
- Touchscreen option
- 12V, 24V and 48V DC Power options
- AV + BNC, Audio and DVI-D options

Options

page 103~104 for full details

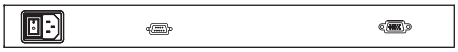
AV	DVI	DC			QD
BNC + S-Video	DVI-D	DC Power	Touch Screen	Audio	Quad Display

S-Video + BNC

Touchscreen - USB

DVI-D

Touchscreen - Serial



DC Power

Audio

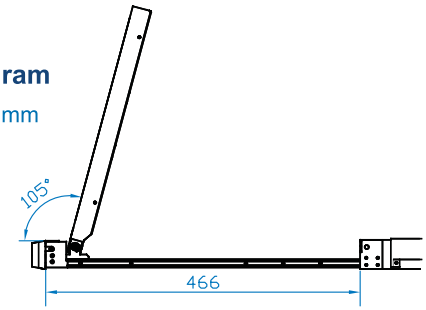
Monitor

SAMSUNG Grade A 20" industrial TFT LCD panel

page 105 for full monitor details

Diagram

Unit : mm



Ordering Information

Model	RP-120

Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
RP-120 Series	442 x 650 x 44 mm 17.4 x 25.6 x 1.73 inch	581 x 755 x 172 mm 22.9 x 29.7 x 6.8 inch	14 kg / 31 lbs	19 kg / 42 lbs

Page 92 for RP-120QD specifications.

SP-120

New

LCD Drawer Benefits

- **20" LCD in 1U with 1600 x 1200 high resolution**
- **Direct Support for SUN Micro 1152 x 900 native resolution**
- **Sliding LCD allowing LCD to remain open when the rack door is closed**
- **Enhanced aesthetics with new molded front panel and two point lock**

Drawer Features & Options

- 1U rackmount LCD drawer with 20" LCD
- DVI-D option
- 12V, 24V and 48V DC Power options

Options

page 103~104 for full details

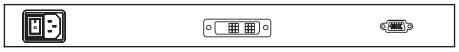
DVI

DVI-D

DC

DC Power

DVI-D



DC Power

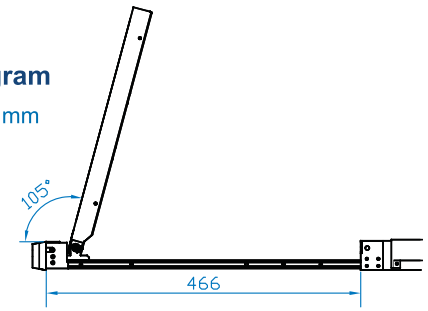
Monitor

SAMSUNG Grade A 20" industrial TFT LCD panel

page 105 for full monitor details

Diagram

Unit : mm



Ordering Information

Model	SP-120

Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
SP-120 Series	442 x 650 x 44 mm 17.4 x 25.6 x 1.73 inch	581 x 755 x 172 mm 22.9 x 29.7 x 6.8 inch	14 kg / 31 lbs	19 kg / 42 lbs

RP-117
RP-119

LCD Drawer Benefits

- **Sliding LCD allowing LCD to remain open when the rack door is closed**
- **"One Man" installation slides for easy, quick installation**
- **Enhanced aesthetics with new molded front panel and two point lock**

Drawer Features & Options

- 1U rackmount LCD drawer with either 17" or 19" LCD
- Quad display option
- Touchscreen option
- 12V, 24V and 48V DC Power options
- AV + BNC, Audio and DVI-D options

Options

page 103~104 for full details

AV — BNC + S-Video

DVI — DVI-D

DC — DC Power

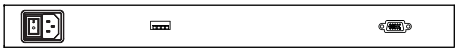
Touch Screen

Audio

QD — Quad Display

S-Video + BNC

Touchscreen - USB



DVI-D

Touchscreen - Serial

DC Power

Audio

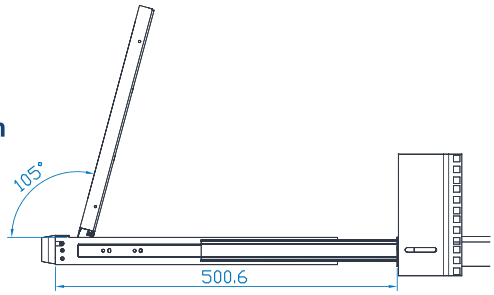
Monitor

SAMSUNG Grade A 17" or 19" industrial TFT LCD panel

page 105 for full monitor details

Diagram

Unit : mm



Ordering Information

	17" LCD Series	19" LCD Series
Model	RP-117	RP-119

Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
RP-117 Series	446 x 600 x 44 mm 17.6 x 23.6 x 1.73 inch	581 x 755 x 172 mm 22.9 x 29.7 x 6.8 inch	12 kg / 26 lbs	17 kg / 37 lbs
RP-119 Series	446 x 600 x 44 mm 17.6 x 23.6 x 1.73 inch	581 x 755 x 172 mm 22.9 x 29.7 x 6.8 inch	13 kg / 29 lbs	18 kg / 40 lbs

Page 92 for RP-117QD / RP-119QD specifications.

SP-117
SP-119

LCD Drawer Benefits

- **Sliding LCD allowing LCD to remain open when the rack door is closed**
- **Direct Support for SUN Micro 1152 x 900 native resolution**
- **"One Man" installation slides for easy, quick installation**
- **Enhanced aesthetics with new molded front panel and two point lock**

Drawer Features & Options

- 1U rackmount LCD drawer with either 17" or 19" LCD
- DVI-D option
- 12V, 24V and 48V DC Power options

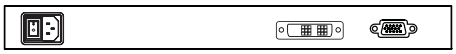
Options

page 103~104 for full details

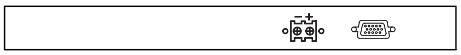
DVI-D

DC Power

DVI-D



DC Power



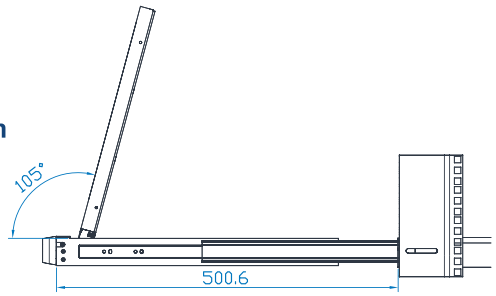
Monitor

Grade A 17 or 19" industrial TFT LCD panel

page 105 for full monitor details

Diagram

Unit : mm



Ordering Information

	17" LCD Series	19" LCD Series
Model	SP-117	SP-119

Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
SP-117 Series	442 x 600 x 44 mm 17.4 x 23.6 x 1.73 inch	581 x 755 x 172 mm 22.9 x 29.7 x 6.8 inch	12 kg / 26 lbs	17 kg / 37 lbs
SP-119 Series	442 x 600 x 44 mm 17.4 x 23.6 x 1.73 inch	581 x 755 x 172 mm 22.9 x 29.7 x 6.8 inch	13 kg / 29 lbs	18 kg / 40 lbs

RP-1417
RP-1419

LCD Drawer Benefits

- **Short depth design of 480mm (18.9") only**
- **Depth will suit a 600mm rack application**
- **Sliding LCD allowing LCD to remain open when the rack door is closed**
- **"One Man" installation slides for easy, quick installation**
- **Enhanced aesthetics with new molded front panel and two point lock**

Drawer Features & Options

- 1U rackmount LCD drawer with either 17" or 19" LCD
- Quad display option
- Touchscreen options
- 12V, 24V and 48V DC Power options
- AV + BNC, Audio and DVI-D options

Options

page 103~104 for full details

AV — BNC + S-Video

DVI — DVI-D

DC — DC Power

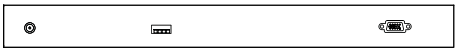
Touch Screen

Audio

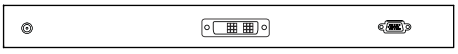
QD — Quad Display

S-Video + BNC

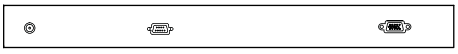
Touchscreen - USB



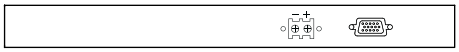
DVI-D



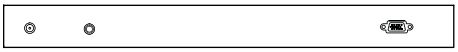
Touchscreen - Serial



DC Power



Audio



With DVI-D or DC power option, the depth of RP-1417 / RP-1419 will be extended from 480mm (18.9") to 530mm (20.9")

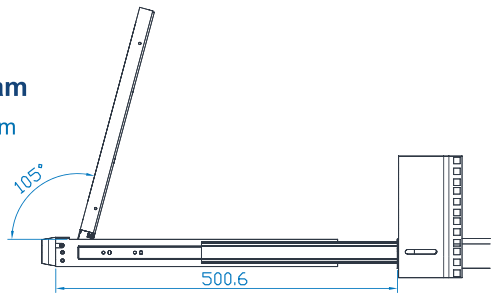
Monitor

SAMSUNG Grade A 17 or 19" industrial TFT LCD panel

page 105 for full monitor details

Diagram

Unit : mm



Ordering Information

	17" LCD Series	19" LCD Series
Model	RP-1417	RP-1419

Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
RP-1417 Series	446 x 480 x 44 mm 17.6 x 18.9 x 1.73 inch	584 x 641 x 169 mm 23 x 25.2 x 6.7 inch	12 kg / 26 lbs	17 kg / 37 lbs
RP-1419 Series	446 x 480 x 44 mm 17.6 x 18.9 x 1.73 inch	584 x 641 x 169 mm 23 x 25.2 x 6.7 inch	13 kg / 29 lbs	18 kg / 40 lbs

RP-717
RP-819
RP-920

LCD Display Benefits

- **Ultra high resolution 1600 x 1200 for RP-920**
- **Ideal for CCTV security & industrial control**
- **Stylish 6mm cast aluminum front panel**

Display Features & Options

- 17" LCD in 7U, 19" LCD in 8U or 20" LCD in 9U
- Quad display option
- Touchscreen option
- 12V, 24V and 48V DC Power options
- AV + BNC, Audio and DVI-D options
- NEMA 4 and IP65 options for front protection

Options

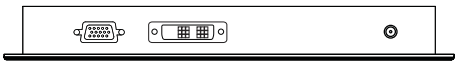
page 103~104 for full details

AV — BNC + S-Video
DVI — DVI-D
DC — DC Power
Touch Screen
Audio
QD — Quad Display
IP65 — NEMA 4

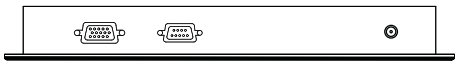
S-Video + BNC

Touchscreen - USB

DVI-D

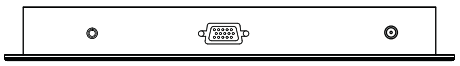


Touchscreen - Serial



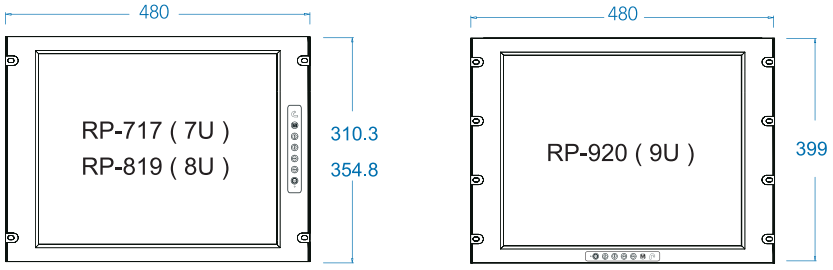
DC Power

Audio



Diagram

Unit : mm



Monitor

SAMSUNG Grade A 17", 19" or 20" industrial TFT LCD panel

page 105 for full monitor details

Ordering Information

	17" LCD Series	19" LCD Series	20" LCD Series
Model	RP-717	RP-819	RP-920

Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
RP-717 Series	480 x 57 x 310.3 mm 18.9 x 2.2 x 12.2 inch	565 x 450 x 156 mm 22.2 x 17.7 x 6.1 inch	7 kg / 15 lbs	8.5 kg / 19 lbs
RP-819 Series	480 x 57 x 354.8 mm 18.9 x 2.2 x 14 inch	565 x 495 x 156 mm 22.2 x 19.5 x 6.1 inch	8 kg / 18 lbs	10 kg / 22 lbs
RP-920 Series	480 x 67 x 399 mm 18.9 x 2.6 x 15.7 inch	565 x 539 x 156 mm 22.2 x 21.2 x 6.1 inch	12 kg / 26 lbs	15 kg / 33 lbs

SP-717
SP-819
SP-920

New

SOLARIS®

LCD Display Benefits

- **Ultra high resolution 1600 x 1200 for SP-920**
- **Direct Support for SUN Micro 1152 x 900 native resolution**
- **Stylish 6mm cast aluminum front panel**

Display Features & Options

- 17" LCD in 7U, 19" LCD in 8U or 20" LCD in 9U
- DVI-D option
- 12V, 24V and 48V DC Power options

Options

page 103~104 for full details

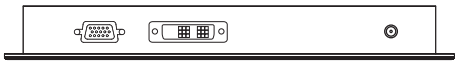
DVI

DVI-D

DC

DC Power

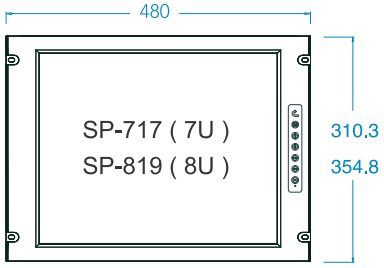
DVI-D

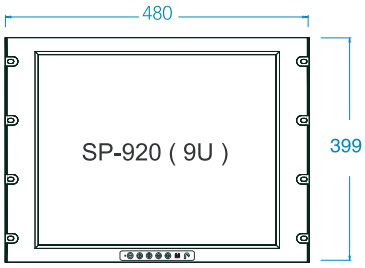


DC Power

Diagram

Unit : mm





Monitor

SAMSUNG Grade A 17", 19" or 20" industrial TFT LCD panel

page 105 for full monitor details

Ordering Information

	17" LCD Series	19" LCD Series	20" LCD Series
Model	SP-717	SP-819	SP-920

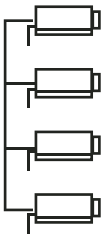
Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
SP-717 Series	480 x 57 x 310.3 mm 18.9 x 2.2 x 12.2 inch	565 x 450 x 156 mm 22.2 x 17.7 x 6.1 inch	7 kg / 15 lbs	8.5 kg / 19 lbs
SP-819 Series	480 x 57 x 354.8 mm 18.9 x 2.2 x 14 inch	565 x 495 x 156 mm 22.2 x 19.5 x 6.1 inch	8 kg / 18 lbs	10 kg / 22 lbs
SP-920 Series	480 x 67 x 399 mm 18.9 x 2.6 x 15.7 inch	565 x 539 x 156 mm 22.2 x 21.2 x 6.1 inch	12 kg / 26 lbs	15 kg / 33 lbs

RP-117QD
RP-119QD New
RP-120QD

LCD Drawer Benefits

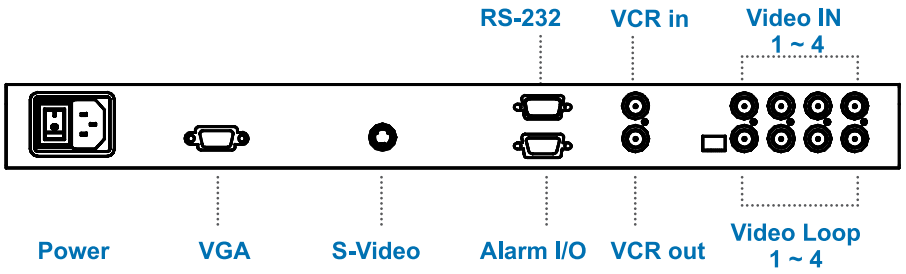
- Built-in Quad Display
- Ideal for CCTV security & industrial control
- "One Man" installation slides included except 20" LCD model
- Sliding LCD allowing LCD to remain open when the rack door is closed



Camera
1 ~ 4

Drawer Features & Options

- 1U LCD drawer with either 4 : 3, 17", 19" or 20" LCD
- DC 12V, 24V and 48V DC Power options



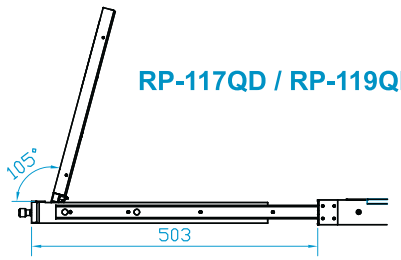
Rear I / O

Front QD membrane button

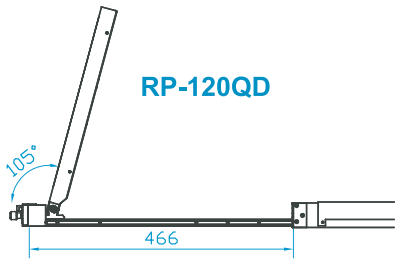
Diagram

Unit : mm

RP-117QD / RP-119QD



RP-120QD



Monitor SAMSUNG Grade A 17", 19" or 20" industrial TFT LCD panel *page 105 for full monitor details*

Ordering Information

	17" LCD Series	19" LCD Series	20" LCD Series
Model	RP-117QD	RP-119QD	RP-120QD

Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
RP-117QD Series	442 x 600 x 44 mm 17.4 x 23.6 x 1.73 inch	581 x 755 x 172 mm 22.9 x 29.7 x 6.8 inch	12 kg / 26 lbs	17 kg / 37 lbs
RP-119QD Series	442 x 600 x 44 mm 17.4 x 23.6 x 1.73 inch	581 x 755 x 172 mm 22.9 x 29.7 x 6.8 inch	13 kg / 29 lbs	18 kg / 40 lbs
RP-120QD Series	442 x 650 x 44 mm 17.4 x 25.6 x 1.73 inch	581 x 755 x 172 mm 22.9 x 29.7 x 6.8 inch	14 kg / 31 lbs	19 kg / 42 lbs

RP-817QD
RP-919QD
RP-1020QD

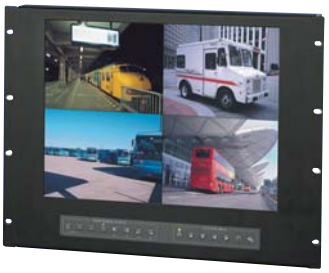
New

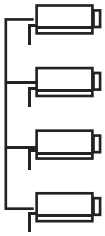
LCD Display Benefits

- Built-in Quad Display
- Ideal for CCTV security & industrial control

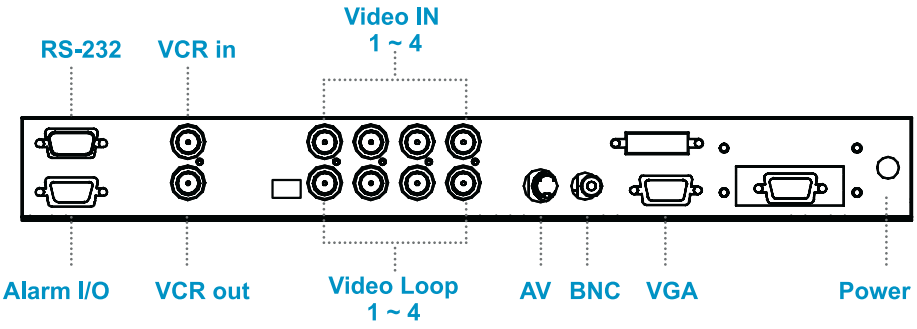
Display Features & Options

- 4 : 3, 17" in 8U, 19" in 9U or 20" in 10U
- DC 12V, 24V and 48V DC Power options





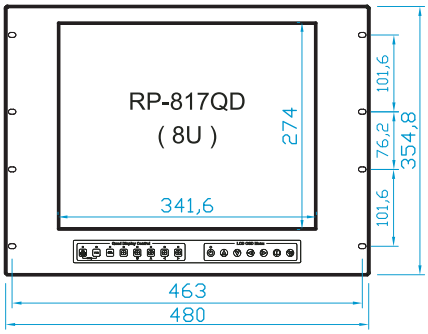
Camera
1 ~ 4

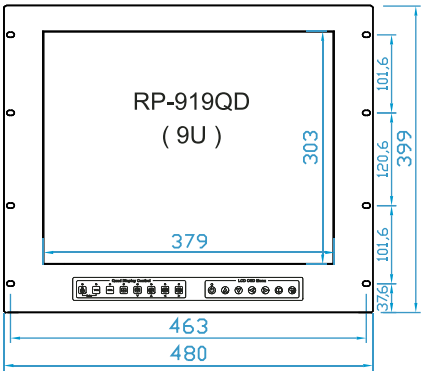


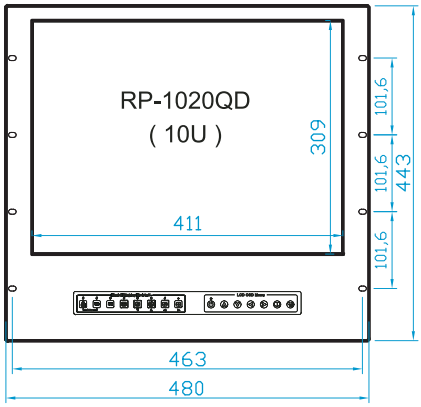
Front QD membrane button

Diagram

Unit : mm







Monitor

SAMSUNG Grade A 17", 19" or 20" industrial TFT LCD panel *page 105 for full monitor details*

Ordering Information

	17" LCD Series	19" LCD Series	20" LCD Series
Model	RP-817QD	RP-919QD	RP-1020QD

Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
RP-817QD Series	480 x 71.5 x 354.8 mm 18.9 x 2.8 x 14 inch	565 x 450 x 156 mm 22.2 x 17.7 x 6.1 inch	7 kg / 15 lbs	8.5 kg / 19 lbs
RP-919QD Series	480 x 68.5 x 399 mm 18.9 x 2.7 x 15.7 inch	565 x 495 x 156 mm 22.2 x 19.5 x 6.1 inch	8 kg / 18 lbs	10 kg / 22 lbs
RP-1020QD Series	480 x 71.5 x 443 mm 18.9 x 2.8 x 17.4 inch	565 x 539 x 156 mm 22.2 x 21.2 x 6.1 inch	12 kg / 26 lbs	15 kg / 33 lbs

RP-H717 / RP-H819

New

LCD Display Benefits

page 105 for high bright LCD specifications

- LED technology
- 800 cd/m2 for 17", 19" LCD
- Low power consumption
- Long lifetime up to 70,000 hours
- Minimum EMI emissions
- Operation temperature at -20ºC
- High shock & vibration resistance
- Mercury free
- Slim size

Options

AV		QD	DC	IP65	DVI	
BNC + S-Video	Touch Screen	Quad Display	DC Power	NEMA 4	DVI-D	Audio

Optical Bonding Option

✓ ✗

- 1mm thick optically clear adhesive for touchscreen or 4mm temper glass
- No air gap between the cover glass & LCD panel
- Increased LCD durability under vibration
- Eliminate residual and ghost images

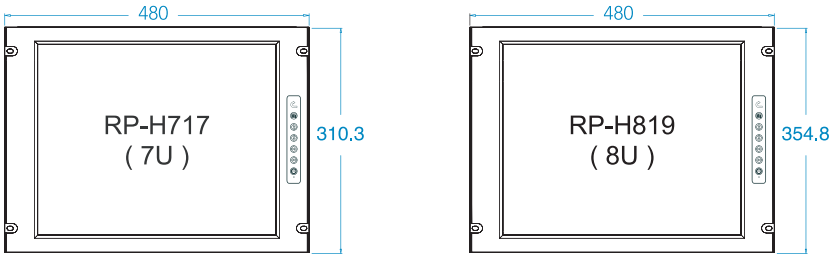
Anti-Reflective Film Option

✓ ✗

- 0.1mm thick optical interference coating film
- Designed to provide visual enhancement
- Cost effective vacuum laminated technology
- Greatly reduced specular & diffuse reflection
- Increased contrast for improved readability
- Easy clean surface

Diagram

Unit : mm



Ordering Information

	17" LCD Series	19" LCD Series
Model	RP-H717	RP-H819

Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
RP-H717 Series	480 x 57 x 310.3 mm 18.9 x 2.2 x 12.2 inch	565 x 450 x 156 mm 22.2 x 17.7 x 6.1 inch	7 kg / 15 lbs	8.5 kg / 19 lbs
RP-H819 Series	480 x 57 x 354.8 mm 18.9 x 2.2 x 14 inch	565 x 495 x 156 mm 22.2 x 19.5 x 6.1 inch	8 kg / 18 lbs	10 kg / 22 lbs

RP-HW719 / RP-HW822

New

LCD Display Benefits

page 105 for high bright LCD specifications

- LED technology
- 800 cd/m2 for 19" LCD, 800 cd/m2 for 22" LCD
- Low power consumption
- Long lifetime up to 70,000 hours
- Minimum EMI emissions
- Operation temperature at -20ºC
- High shock & vibration resistance
- Mercury free
- Slim size

Options

AV		QD	DC	IP65	DVI	
BNC + S-Video	Touch Screen	Quad Display	DC Power	NEMA 4	DVI-D	Audio

Optical Bonding Option

✓ ✘

- 1mm thick optically clear adhesive for touchscreen or 4mm temper glass
- No air gap between the cover glass & LCD panel
- Increased LCD durability under vibration
- Eliminate residual and ghost images

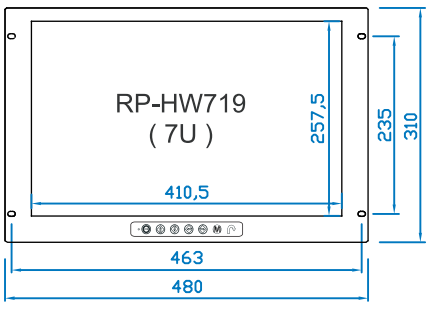
Anti-Reflective Film Option

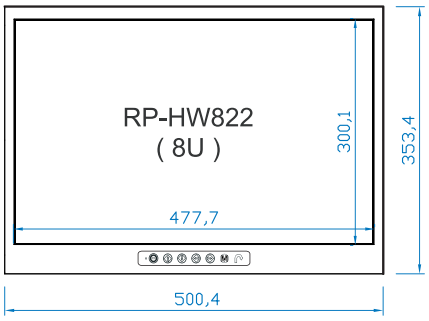
✓ ✘

- 0.1mm thick optical interference coating film
- Designed to provide visual enhancement
- Cost effective vacuum laminated technology
- Greatly reduced specular & diffuse reflection
- Increased contrast for improved readability
- Easy clean surface

Diagram

Unit : mm





Ordering Information

	Wide 19" LCD Series	Wide 22" LCD Series
Model	RP-HW719	RP-HW822

Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
RP-HW719 Series	480 x 57.5 x 310 mm 18.9 x 2.3 x 12.2 inch	565 x 495 x 156 mm 22.2 x 19.5 x 6.1 inch	8 kg / 18 lbs	10 kg / 22 lbs
RP-HW822 Series	500.4 x 59.1 x 353.4 mm 19.7 x 2.3 x 13.9 inch	565 x 539 x 156 mm 22.2 x 21.2 x 6.1 inch	12 kg / 26 lbs	15 kg / 33 lbs

RP-H117 New
RP-H119

LCD Drawer Benefits

page 105 for high bright LCD specifications

- 800 cd/m2 for 17", 19" LCD
- Low power consumption
- Long lifetime up to 70,000 hours
- Operation temperature at -20ºC
- High shock & vibration resistance
- LED technology
- Minimum EMI emissions
- Mercury free
- Slim size

Drawer Features

- 1U rackmount LCD drawer with either 17" or 19" LCD
- "One Man" installation slides for easy, quick installation
- Enhanced aesthetics with new molded front panel and two point lock

Options

AV		QD	DC	DVI	
BNC + S-Video	Touch Screen	Quad Display	DC Power	DVI-D	Audio

Optical Bonding Option

✓ ✘

- 1mm thick optically clear adhesive for touchscreen or 4mm temper glass
- No air gap between the cover glass & LCD panel
- Increased LCD durability under vibration
- Eliminate residual and ghost images

Anti-Reflective Film Option

✓ ✘

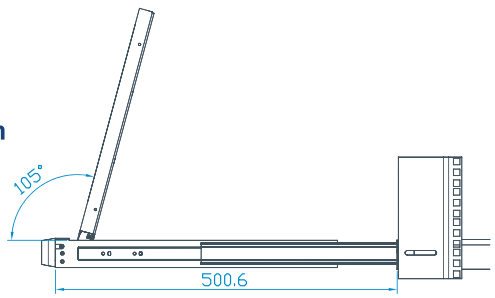
- 0.1mm thick optical interference coating film
- Designed to provide visual enhancement
- Cost effective vacuum laminated technology
- Greatly reduced specular & diffuse reflection
- Increased contrast for improved readability
- Easy clean surface

Ordering Information

	17" LCD	19" LCD
Model	RP-H117	RP-H119

Diagram

Unit : mm



Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
RP-H117 Series	442 x 600 x 44 mm 17.4 x 23.6 x 1.73 inch	581 x 755 x 172 mm 22.9 x 29.7 x 6.8 inch	12 kg / 26 lbs	17 kg / 37 lbs
RP-H119 Series	442 x 600 x 44 mm 17.4 x 23.6 x 1.73 inch	581 x 755 x 172 mm 22.9 x 29.7 x 6.8 inch	13 kg / 29 lbs	18 kg / 40 lbs

H-117
H-119

LCD Drawer Benefits

page 105 for high bright LCD specifications

- 800 cd/m2 for 17", 19" LCD
- Low power consumption
- Long lifetime up to 70,000 hours
- Operation temperature at -20ºC
- High shock & vibration resistance
- LED technology
- Minimum EMI emissions
- Mercury free
- Slim size

Drawer & KVM Features

- 1U keyboard LCD drawer with either 17" or 19" LCD
- Combo interface either PS/2 or USB input to the LCD drawer
- Mix PS/2, USB & SUN with Multi-Platform switch capability
- "One Man" installation slides for easy, quick installation
- Slide rails with fixed positions to prevent drawer movement when typing
- Enhanced aesthetics with new molded front panel and two point lock

Options

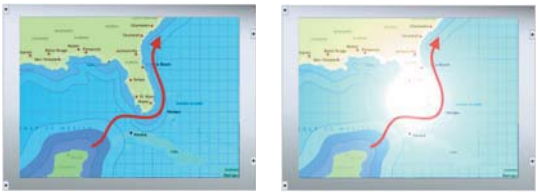
page 103~104 for full details

AV	DVI	DC	Audio	Touch Screen
BNC + S-Video	DVI-D	DC Power		(***the height changed from 1U to 1.5U***)

Optical Bonding Option

- **1mm thick optically clear adhesive for touchscreen or 4mm temper glass**
- **No air gap between the cover glass & LCD panel**
- **Increased LCD durability under vibration**
- **Eliminate residual and ghost images**

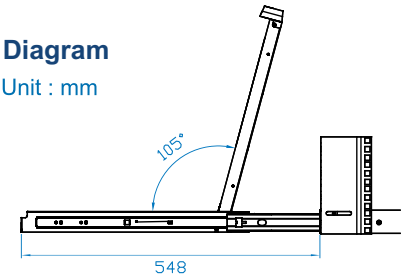
Anti-Reflective Film Option



- **0.1mm thick optical interference coating film**
- **Designed to provide visual enhancement**
- **Cost effective vacuum laminated technology**
- **Greatly reduced specular & diffuse reflection**
- **Increased contrast for improved readability**
- **Easy clean surface**

Diagram

Unit : mm



KVM Selection

Base Model	17" LCD Series	19" LCD Series
• Single port w/o KVM • Combo interface	H-117	H-119

Combo Cat6 KVM

page 23~38 for KVM specifications, page 107~110 for KVM rear I/O

1 console	*Combo* Cat6 8 port		H117 - U 801	H119 - U 801
2 consoles			H117 - U 802	H119 - U 802
2 consoles			H117 - U IP 802	H119 - U IP 802
1 console	*Combo* Cat6 16 port		H117 - U 1601	H119 - U 1601
2 consoles			H117 - U 1602	H119 - U 1602
2 consoles			H117 - U IP 1602	H119 - U IP 1602
1 console	*Combo* Cat6 32 port		H117 - U 3201	H119 - U 3201
2 consoles			H117 - U 3202	H119 - U 3202
2 consoles			H117 - U IP 3202	H119 - U IP 3202

Combo DB-15 KVM

1 console	*Combo* DB-15 8 port		H117 - S 801	H119 - S 801
2 consoles			H117 - 802	H119 - 802
2 consoles			H117 - IP 802	H119 - IP 802
1 console	*Combo* DB-15 16 port		H117 - S 1601	H119 - S 1601
2 consoles			H117 - 1602	H119 - 1602
2 consoles			H117 - IP 1602	H119 - IP 1602

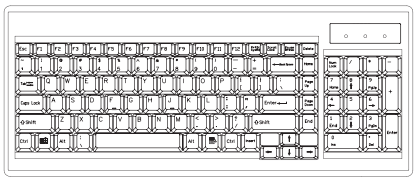
PS/2 DB-15 KVM

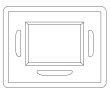
1 console	DB-15	8 port 16 port	H117 - 801 H117 - 1601	H119 - 801 H119 - 1601

Keyboard Selection

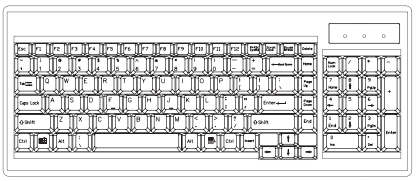
Supporting layouts

Ne **N keyboard integrated with touchpad**





Nb **N keyboard integrated with trackball**



page 106 for full keyboard details

Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
H-117 / H-119	442 x 650 x 44 mm 17.4 x 25.6 x 1.73 inch	589 x 856 x 168 mm 23.2 x 33.7 x 6.6 inch	16 kg / 35 lbs	22 kg / 48 lbs

RK-1

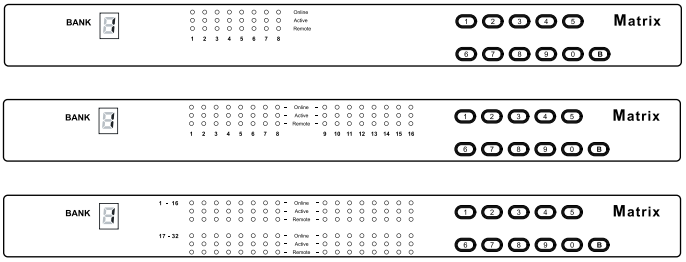
Keyboard Drawer Benefits

- Enhanced aesthetics with new molded front panel and two point lock
- Combo interface either PS/2 or USB input
- Multiple keyboard language selections with touchpad or trackball

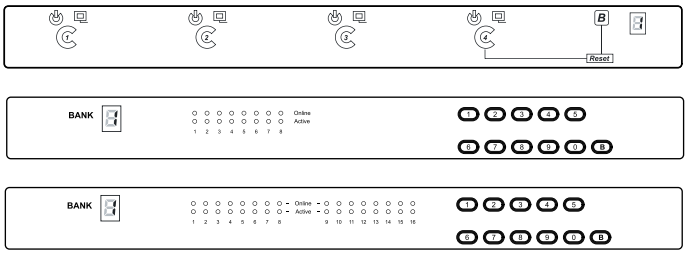
KVM Options

- Multi-user Matrix Cat6 KVM with either 16 or 32 ports in 1U
- Cost efficient Combo KVM integration
- Mix PS/2 & USB with multi-platform switch capability
- Secure remote user access across the world wide web

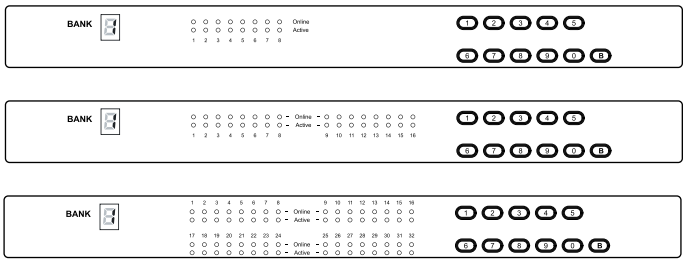
Matrix KVM 8, 16, 32 port button



PS/2 KVM 4, 8, 16 port button



Combo KVM 8, 16, 32 port button



Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
RK-1 Series	442 x 550 x 44 mm 17.4 x 21.6 x 1.73 inch	581 x 705 x 175 mm 22.9 x 27.8 x 6.9 inch	8 kg / 18 lbs	12 kg / 26 lbs

Keyboard Selection

Supporting layouts

Ne N keyboard with touchpad

Nb N keyboard with trackball

US layout only

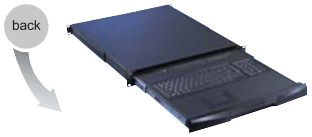
d Compact keyboard with trackball

US layout only

t Compact keyboard with touchpad mouse

page 106 for full details

KVM Selection



Base Model	RK1 Keyboard Drawer Series
• Single port w/o KVM • Combo interface	RK-1

Matrix Cat6 KVM

page 23~38 for KVM specifications, page 107~110 for KVM rear I/O

2 consoles	*Matrix* Cat6 16 port	RK1 - MU 1602
3 consoles		RK1 - MU 1603
4 consoles		RK1 - MU 1604
3 consoles	*Matrix* IP Cat6 16 port	RK1 - MU IP 1613
4 consoles		RK1 - MU IP 1614
4 consoles		RK1 - MU IP 1624

2 consoles	*Matrix* Cat6 32 port	RK1 - MU 3202
3 consoles		RK1 - MU 3203
4 consoles		RK1 - MU 3204
3 consoles	*Matrix* IP Cat6 32 port	RK1 - MU IP 3213
4 consoles		RK1 - MU IP 3214
4 consoles		RK1 - MU IP 3224

Matrix DB-15 KVM

2 consoles	*Matrix* DB-15 8 port	RK1 - M 802
3 consoles		RK1 - M 803
4 consoles		RK1 - M 804
3 consoles	*Matrix* IP DB-15 8 port	RK1 - M IP 813
4 consoles		RK1 - M IP 814
4 consoles		RK1 - M IP 824

2 consoles	*Matrix* DB-15 16 port	RK1 - M 1602
3 consoles		RK1 - M 1603
4 consoles		RK1 - M 1604
3 consoles	*Matrix* IP DB-15 16 port	RK1 - M IP 1613
4 consoles		RK1 - M IP 1614
4 consoles		RK1 - M IP 1624

Combo Cat6 KVM

1 console	*Combo* Cat6 8 port	RK1 - U 801
2 consoles		RK1 - U 802
2 consoles		RK1 - U IP 802
1 console	*Combo* Cat6 16 port	RK1 - U 1601
2 consoles		RK1 - U 1602
2 consoles		RK1 - U IP 1602
1 console	*Combo* Cat6 32 port	RK1 - U 3201
2 consoles		RK1 - U 3202
2 consoles		RK1 - U IP 3202

Combo DB-15 KVM

1 console	*Combo* DB-15 8 port	RK1 - S 801
2 consoles		RK1 - 802
2 consoles		RK1 - IP 802
1 console	*Combo* DB-15 16 port	RK1 - S 1601
2 consoles		RK1 - 1602
2 consoles		RK1 - IP 1602

PS/2 DB-15 KVM

1 console	DB-15	4 port	RK1 - 401
		8 port	RK1 - 801
		16 port	RK1 - 1601

RK-2 Series

Keyboard Drawer Benefits

- **Short depth design of 400mm (15.7")**
- **Light weight & low shipping cost**
- **Lockable drawer to secure keyboard & mouse access**

Drawer Features

- Combo interface either PS/2 or USB input to the keyboard drawer
- Multiple keyboard language selections with either touchpad or trackball
- Slide rails with fixed positions to prevent drawer movement when typing
- Enhanced aesthetics with new molded front panel and two point lock

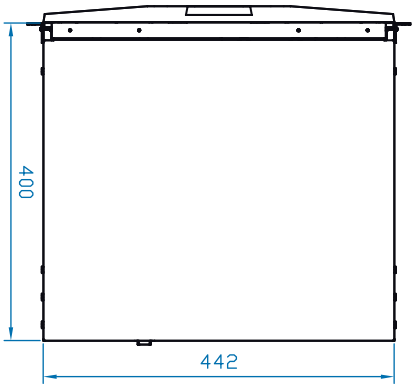
Sun microsystems · IBM · hp · DELL · Windows · Linux

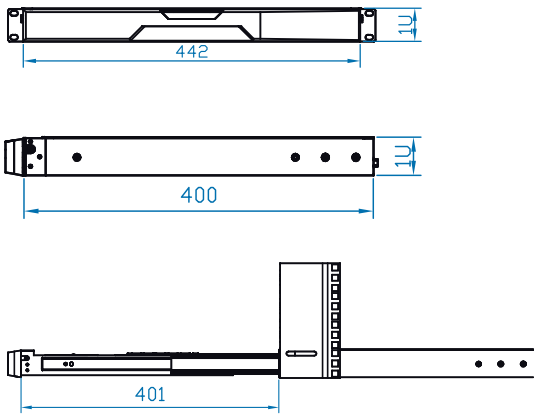
Model Selection

Basic Model	RK2 Keyboard Drawer Series
• Combo interface	RK-2

Diagram

Unit : mm





Dimensions

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
RK-2 Series	442 x 400 x 44 mm 17.4 x 15.7 x 1.73 inch	500 x 582 x 100 mm 19.7 x 22.9 x 3.9 inch	6 kg / 13 lbs	8 kg / 18 lbs

Keyboard Selection

Supporting layouts

Ne N keyboard with touchpad

Nb N keyboard with trackball

US layout only

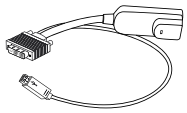
d Compact keyboard with trackball

US layout only

t Compact keyboard with touchpad mouse

page 106 for full details

Cat6 KVM Dongle



DG-100SD

DVI USB dongle

DG-100S

USB dongle

DG-100

PS/2 dongle

KVM Cable

CU-3
CU-6
CU-10
CU-15
CU-33

"CU" Cat6 cable
3ft, 6ft, 10ft, 15ft & 33ft available

CE-6
CE-10
CE-15

"CE" Combo 4-in-1 KVM cable
6ft, 10ft & 15ft available

CB-6
CB-10
CB-15

"CB" USB 2-in-1 KVM cable
6ft, 10ft & 15ft available

CD-6
CD-10
CD-15
CD-33

"CD" PS/2 3-in-1 KVM cable
6ft, 10ft, 15ft & 33ft available

Cascade Cable

CMC-3

Matrix KVM cascade cable
3ft available

CA-6

PS/2 KVM cascade cable
6ft available

CBC-6

Combo KVM cascade cable
6ft available

Serial Adapter

SG-100F
RJ45-DB9 female adapter

SG-100M
RJ45-DB9 male adapter

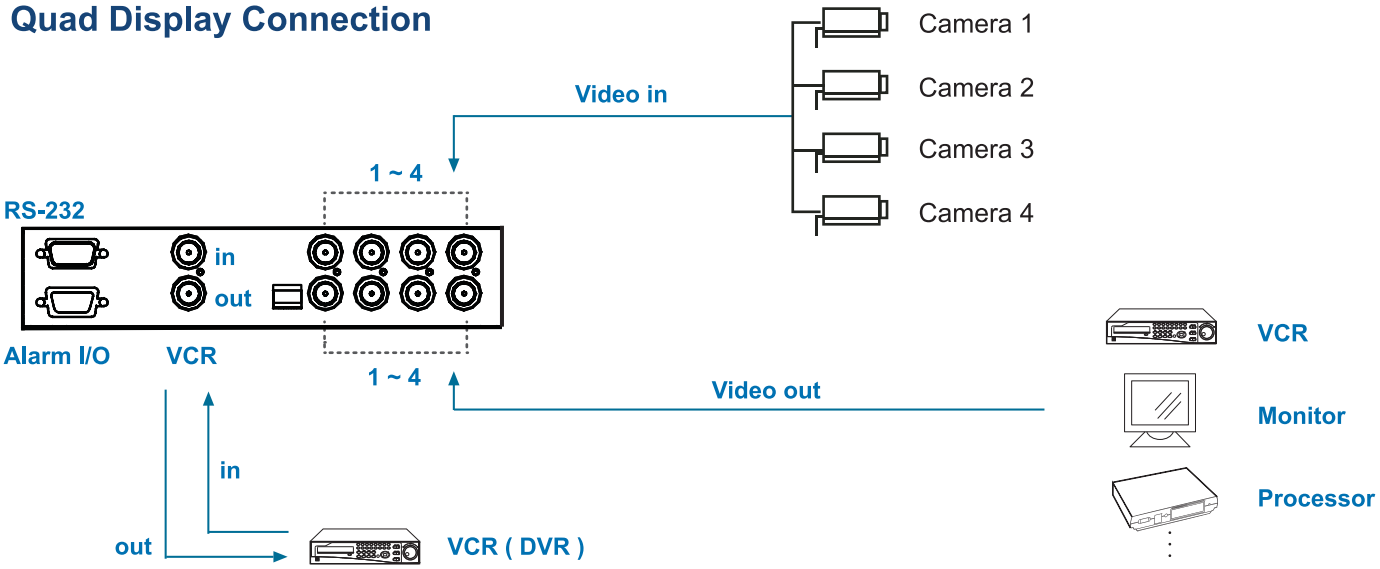
USB to PS/2 Adapter

SUN-31kit

Optical Mouse

WOM-01

Quad Display Connection



QD Membrane Button

- On-screen menu setup in Quad mode
- LCD on-screen menu setup

Specifications

Item		Description	
Model Number		QD (NTSC)	QD (PAL)
Number of Colour		16.7 Mil.	16.7 Mil.
Imaging System		NTSC	PAL
Resolution		1024 x 525	1024 x 625
Refresh Rate		60	50
Video Input	Camera Input	1.0 Vpp, 75 Ohm x 4	
	VCR Input	1.0 Vpp, 75 Ohm x 1	
Video Output	Live Monitor	1.0 Vpp, 75 Ohm x 1	
	Loop Through Out	1.0 Vpp, 75 Ohm x 4	
	VCR Output	1.0 Vpp, 75 Ohm x 1	
Auto Gain Control		Yes	
Time / Date		Yes	
On Screen Display		Yes	
Camera Title		8 Character Title	
Display Format	2 x Zoom On Playback	Yes	
	QUAD	Yes	
	FULL	Yes	
	SEQUENCY	Yes	
Dwell Time		0 to 99 Sec Adjustable	
Built-in Buzzer		Yes	
Key Lock		Yes	

DC power input

Model	-12V	-24V	-48V
Input rating			
Input voltage :	12-Volt	24-Volt	48-Volt
Input range :	9 ~ 18V	18 ~ 36V	36 ~ 75V
Input current			
- No load	50 mA	50 mA	50 mA
- Full load	4950 mA	2450 mA	1220 mA
Output rating			
Output voltage :	12-Volt	12-Volt	12-Volt
Output current :	4.16 A	4.16 A	4.16 A
Efficiency :	84%	85%	85%

Touchscreen

e-Capacitive

Model	-15TCB/-15TCS	-17TCB/-17TCS	-19TCB/-19TCS
Screen size	15"	17"	19"
Interface :	USB / serial	USB / serial	USB / serial
Optical transmittance :	93% ± 2%	93% ± 2%	93% ± 2%
Surface hardness		9H	
Operating system :		Windows 98/2000/ME/XP/NT, DOS, Linux	

Model	-19WTCB/-19WTCS	-22WTCB/-22WTCS
Screen size	19" wide	22" wide
Interface :	USB / serial	USB / serial
Optical transmittance :	93% ± 2%	93% ± 2%
Surface hardness	9H	
Operating system :	Windows 98/2000/ME/XP/NT, DOS, Linux	

e-Resistive

Model	-15TRB/-15TRS	-17TRB/-17TRS	-19TRB/-19TRS	-20TRB/-20TRS
Screen size	15"	17"	19"	20"
Interface :	USB / serial	USB / serial	USB / serial	USB / serial
Optical transmittance :	80% ± 3%	80% ± 3%	80% ± 3%	80% ± 3%
Surface hardness		≥3H (JIS K5400)		
Operating system :		Windows 98/2000/ME/XP/NT, DOS, Linux		

Model	-19WTRB/-19WTRS	-22WTRB/-22WTRS
Screen size	19" wide	22" wide
Interface :	USB / serial	USB / serial
Optical transmittance :	80% ± 3%	80% ± 3%
Surface hardness	≥3H (JIS K5400)	
Operating system :	Windows 98/2000/ME/XP/NT, DOS, Linux	

SAMSUNG LCD Specifications

4 : 3 Screen size	15"	17"	19"	20"
Display type	Active Matrix TFT	Active Matrix TFT	Active Matrix TFT	Active Matrix TFT
Native resolution	1024 x 768	1280 x 1024	1280 x 1024	1600 x 1200
Brightness (cd/m2)	250	300	300	300
Contrast ratio	700 : 1	1000 : 1	1000 : 1	800 : 1
Viewing angle (H x V)	150 / 135	160 / 160	160 / 160	160 / 160
Display colour	16.2M	16.7M	16.7M	16.7M
Response time	Tr=2 / Tf=6	Tr=1.3 / Tf=3.7	Tr=1.3 / Tf=3.7	Tr=1 / Tf=4
Pixel Pitch (mm)	0.297 x 0.297	0.264 x 0.264	0.294 x 0.294	0.255 x 0.255

WideScreen size	W19"	W22"
Display type	Active Matrix TFT	Active Matrix TFT
Native resolution	1440 x 900	1680 x 1050
Brightness (cd/m2)	300	300
Contrast ratio	1000 : 1	1000 : 1
Viewing angle (H x V)	160 / 160	160 / 160
Display colour	16.7M	16.7M
Response time	Tr=1.3 / Tf=3.7	Tr=3.6 / Tf=1.4
Pixel Pitch (mm)	0.284 x 0.284	0.282 x 0.282

High Brightness LCD Specifications

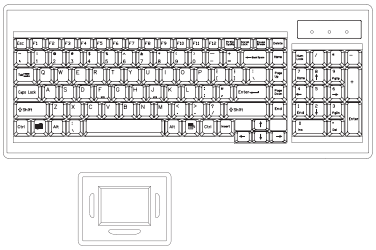
Screen size	17"	19"	W19"	W22"
Display type	Active Matrix TFT	Active Matrix TFT	Active Matrix TFT	Active Matrix TFT
Native resolution	1280 x 1024	1280 x 1024	1440 x 900	1680 x 1050
Brightness (cd/m2)	800	800	800	800
Contrast ratio	800 : 1	800 : 1	900 : 1	900 : 1
Viewing angle (H x V)	170 / 160	160 / 160	160 / 160	160 / 160
Display colour	16.7M	16.7M	16.7M	16.7M
Response time	Tr=3.5 / Tf=1.5	Tr=1.3 / Tf=3.7	Tr=1.3 / Tf=3.7	Tr=3.6 / Tf=1.4
Pixel Pitch (mm)	0.264 x 0.264	0.294 x 0.294	0.284 x 0.284	0.282 x 0.282

Ne

N keyboard integrated with touchpad

- 104 keys (US / European / Chinese / Korean layout)
- 106 keys (Japanese layout)
- PS/2 or USB connection

Dimensions (W x L x H)		
	Keyboard	395 x 156 x 15 (mm)
	Touchpad	107 x 82 x 15 (mm)

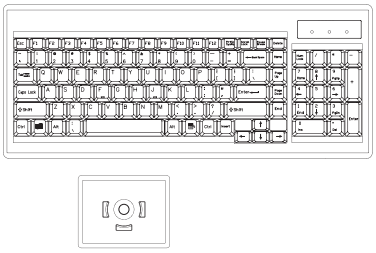


Nb

N keyboard integrated with trackball

- 104 keys (US / European / Chinese / Korean layout)
- 106 keys (Japanese layout)
- PS/2 or USB connection

Dimensions (W x L x H)		
	Keyboard	395 x 156 x 15 (mm)
	Trackball	107 x 82 x 18 (mm)

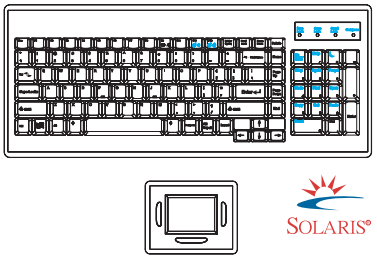


Se

NS keyboard integrated with touchpad

- Incorporates SUN keys, including Stop, Cut, Paste, Compose, Copy and Help
- 104 keys (US / UK layout)
- USB connection

Dimensions (W x L x H)		
	Keyboard	395 x 156 x 15 (mm)
	Touchpad	107 x 82 x 15 (mm)

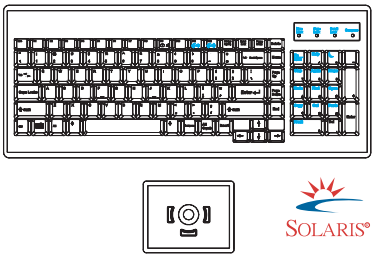


Sb

NS keyboard integrated with trackball

- Incorporates SUN keys, including Stop, Cut, Paste, Compose, Copy and Help
- 104 keys (US / UK layout)
- USB connection

Dimensions (W x L x H)		
	Keyboard	395 x 156 x 15 (mm)
	Trackball	107 x 82 x 18 (mm)

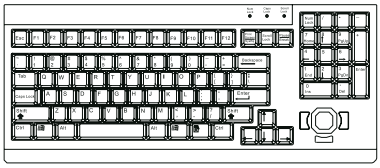


d

Compact keyboard with trackball

- Integrated 19mm trackball plus 3 mouse key
- Cursor key & numeric keys included
- 95 keys (US layout only)
- PS/2 or USB connection

Dimensions 412 x 175 x 38 (mm)

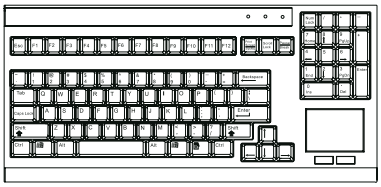


t

Compact keyboard with touchpad

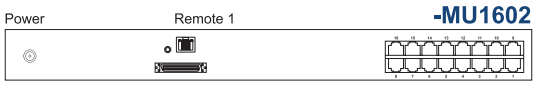
- Integrated GlidePoint™ touchpad
- Cursor key & numeric keys included
- 95 keys (US layout only)
- PS/2 or USB connection

Dimensions 412 x 195 x 38 (mm)

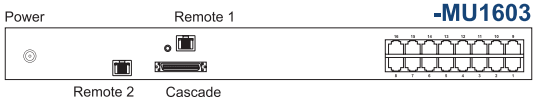


Coverage: N117 series, W119 series, RKP117 series, RKP217 series

Matrix Cat6 16 port



-MU1602



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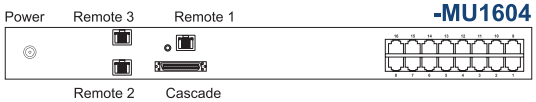
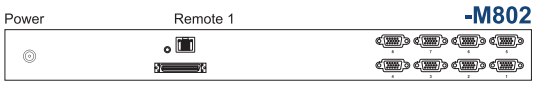
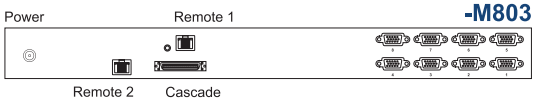


-MU1604

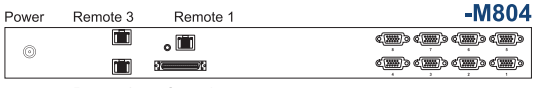
Matrix DB-15 8 port



-M802

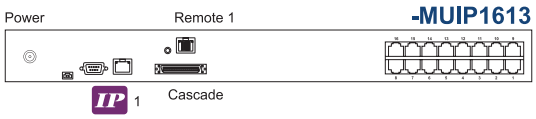


-M803



-M804

Matrix Cat6 IP 16 port



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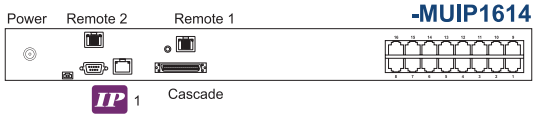

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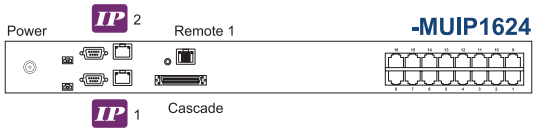
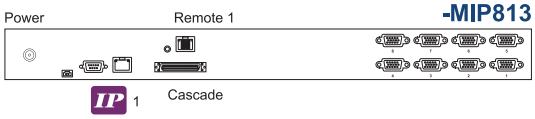
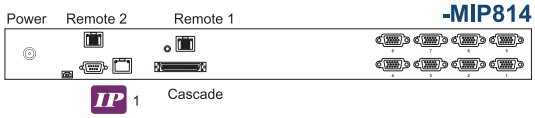


-MUIP1624

Matrix DB-15 IP 8 port



-MIP813



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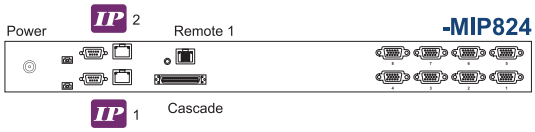
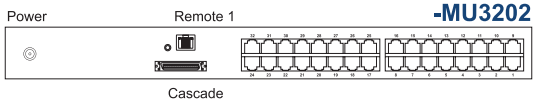
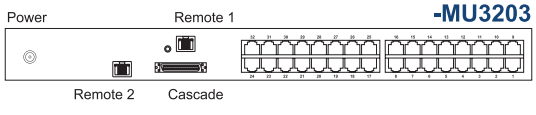


-MIP824

Matrix Cat6 32 port



-MU3202



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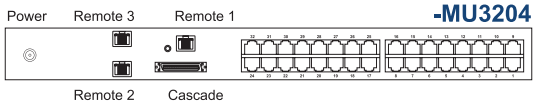
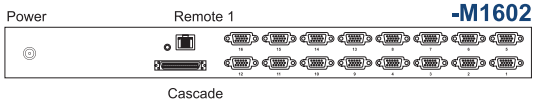
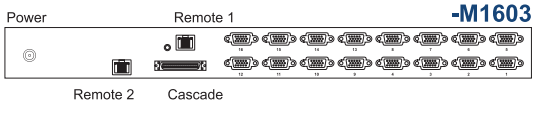


-MU3204

Matrix DB-15 16 port



-M1602



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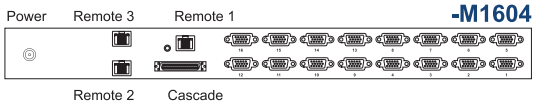
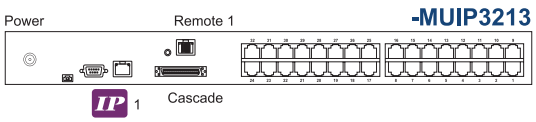
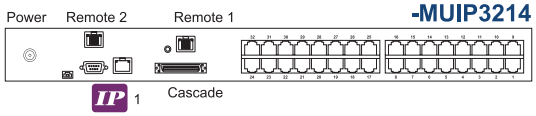


-M1604

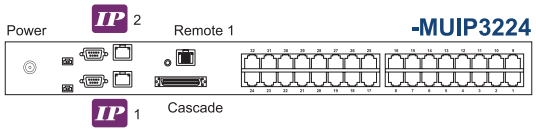
Matrix Cat6 IP 32 port



-MUIP3213

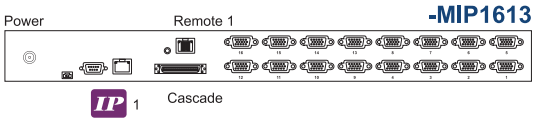


-MUIP3214



-MUIP3224

Matrix DB-15 IP 16 port



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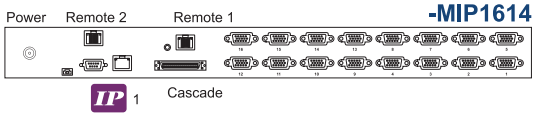

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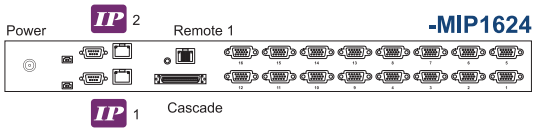


-MIP1624

Coverage: N117 series, W119 series, RKP117 series, RKP217 series

Combo Cat6 8 port

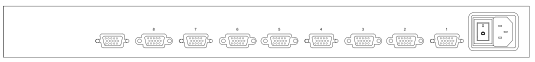
-U801

-U802

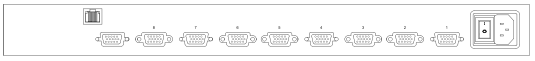
-UIP802

Combo DB-15 8 port

-S801



-802



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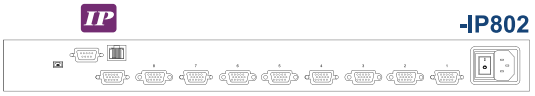
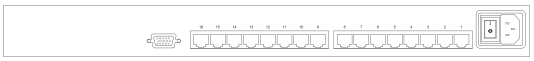


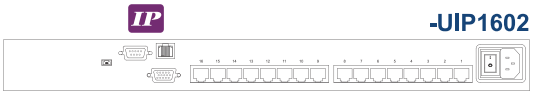
Combo Cat6 16 port

-U1601



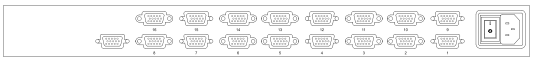
-U1602

-UIP1602



Combo DB-15 16 port

-S1601



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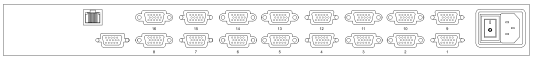

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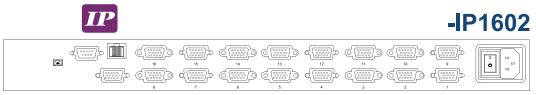
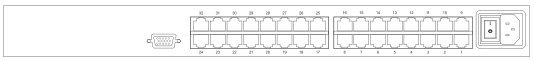
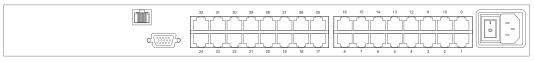


Combo Cat6 32 port

-U3201



-U3202



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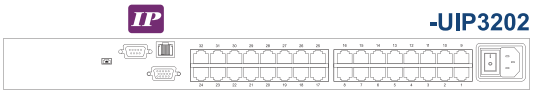
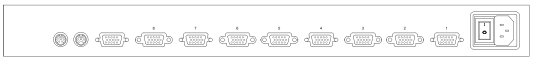


PS/2 DB-15

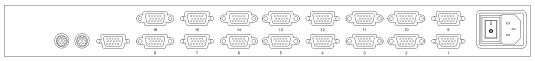
8 port

-801



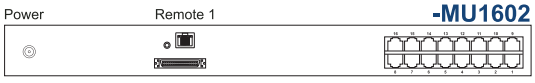
16 port

-1601

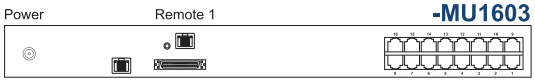


Coverage: L120 series, D117 series, RKP7 series, RKP2415 series

Matrix Cat6 16 port



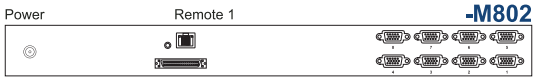
-MU1602



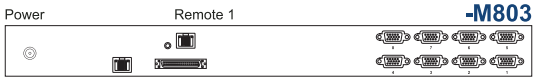
-MU1603

-MU1604

Matrix DB-15 8 port



-M802



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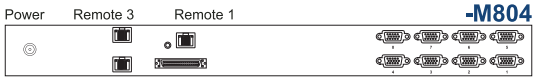
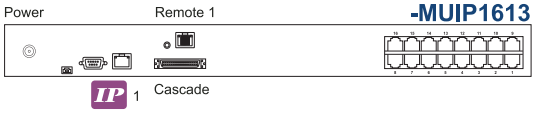
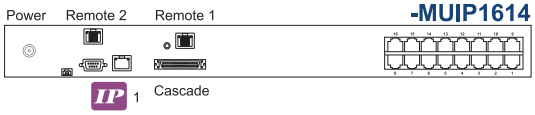


-M804

Matrix Cat6 IP 16 port



-MUIP1613



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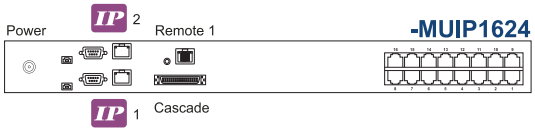
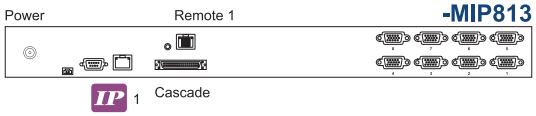
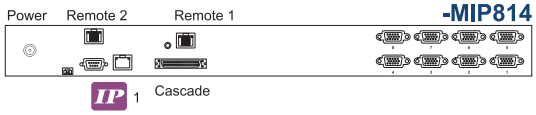


-MUIP1624

Matrix DB-15 IP 8 port



-MIP813



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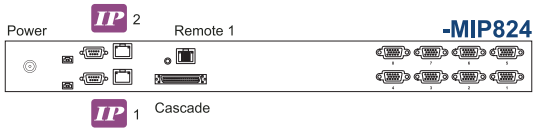
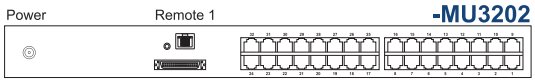
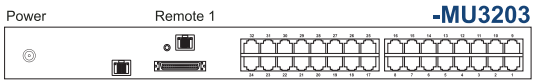


-MIP824

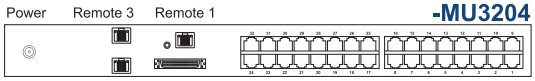
Matrix Cat6 32 port



-MU3202

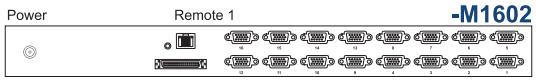


-MU3203

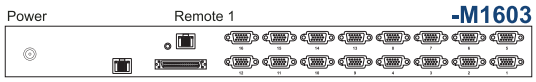


-MU3204

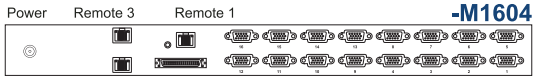
Matrix DB-15 16 port



-M1602

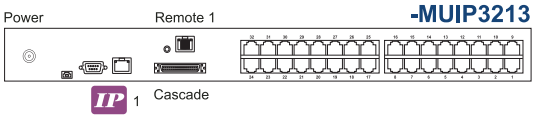


-M1603

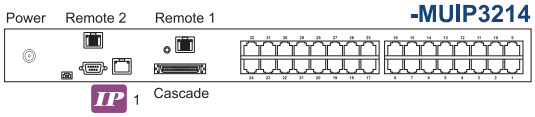


-M1604

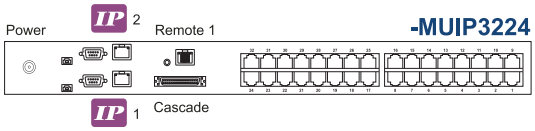
Matrix Cat6 IP 32 port



-MUIP3213

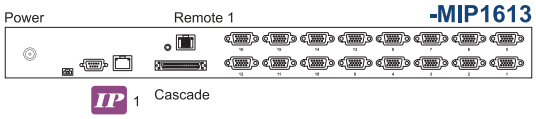


-MUIP3214



-MUIP3224

Matrix DB-15 IP 16 port



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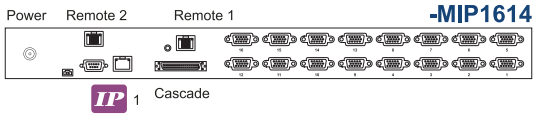

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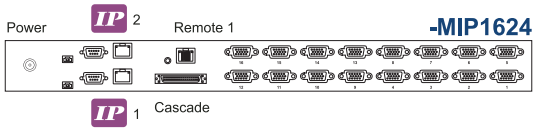


-MIP1624

Coverage: L120 series, D117 series, RKP7 series, H117 series, RKP2415 series

Combo
Cat6
8 port

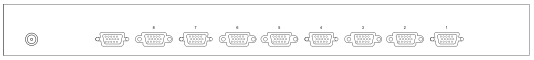
-U801

-U802

-UIP802

Combo
DB-15
8 port

-S801



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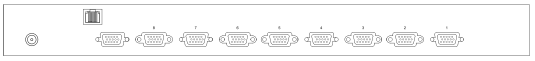
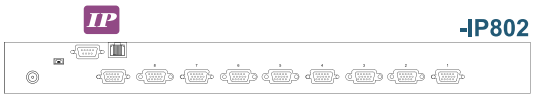
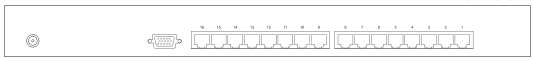


-IP802

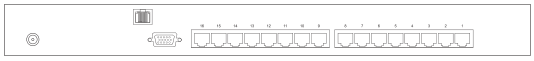


Combo
Cat6
16 port

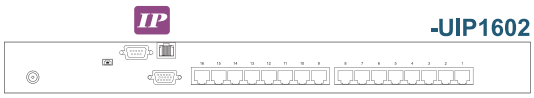
-U1601



-U1602

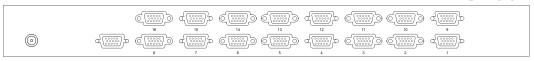


-UIP1602



Combo
DB-15
16 port

-S1601



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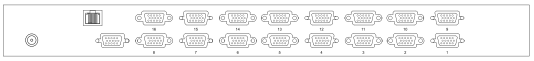

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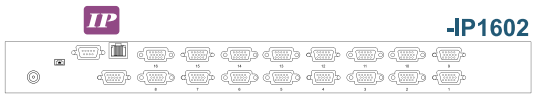
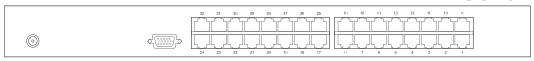
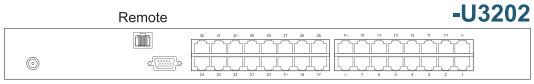


Combo
Cat6
32 port

-U3201



-U3202



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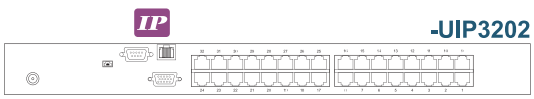


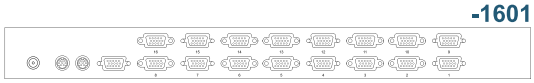
PS/2
DB-15

8 port

-801

16 port

-1601



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