



Accessories

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A

Accessories



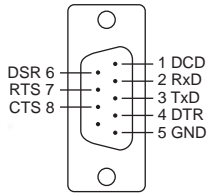
Serial Connection Options

Connection Box & Connection Cable Usage Chart	Connection Boxes								Connection Cables																
	8-port								8-port				4-port				2-port								
	OPT8-M9	OPT8-RJ45	OPT8A/B/S	OPT8F/K/Z	OPT8-M9+	OPT8A+/B+/S+	OPT8F+/K+/Z+	OPT8-RJ45+	CBL-M68M25x8-100 (OPT8C+)	CBL-M68M9x8-100 (OPT8D+)	CBL-M62M25x8-100 (OPT8C)	CBL-M62M9x8-100 (OPT8D)	CBL-M78M25x8-100	CBL-M78M9x8-100	CBL-M44M9x4-50	CBL-M44M9x4-50(POS)	CBL-M44M25x4-50	CBL-M37M9x4-30 (OPT4C)	CBL-M37M9x4-30 (OPT4D)	CBL-F40M9x4-50	CBL-F40M25x4-50	CBL-M25M9x2-50	CBL-F20M9x2-50	CBL-F20M25x2-50	
C218Turbo Series	√	√	√	√	-	-	-	-	-	√	√	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C104H Series	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	√	√	-	-	-	-	-	-
CP-114 Series	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	√	√	-	-	-	-	-	-
CI-134 Series	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	√	√	-	-	-	-	-	-
CP-118U	√	√	√	-	-	-	-	-	-	√	√	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CP-138U	√	√	√	-	-	-	-	-	-	√	√	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CP-168U	√	√	√	√	-	-	-	-	-	√	√	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C168H Series	√	√	√	√	-	-	-	-	-	√	√	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CP-104UL	-	-	-	-	-	-	-	-	-	-	-	-	-	√	-	√	-	-	-	-	-	-	-	-	-
CP-134U Series	-	-	-	-	-	-	-	-	-	-	-	-	-	√	-	√	-	-	-	-	-	-	-	-	-
CP-114UL	-	-	-	-	-	-	-	-	-	-	-	-	-	√	-	√	-	-	-	-	-	-	-	-	-
CP-114UL-I	-	-	-	-	-	-	-	-	-	-	-	-	-	√	-	√	-	-	-	-	-	-	-	-	-
CP-104EL	-	-	-	-	-	-	-	-	-	-	-	-	-	√	-	√	-	-	-	-	-	-	-	-	-
CP-114EL	-	-	-	-	-	-	-	-	-	-	-	-	-	√	-	√	-	-	-	-	-	-	-	-	-
CP-114EL-I	-	-	-	-	-	-	-	-	-	-	-	-	-	√	-	√	-	-	-	-	-	-	-	-	-
CP-112UL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	√	-	-
CP-112UL-I	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	√	-	-
CP-132UL Series	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	√	-	-
CP-102UL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	√	-	-
CP-102EL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	√	-	-
CP-132EL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	√	-	-
CP-132EL-I	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	√	-	-
CP-118EL	-	-	-	-	√	√	√	√	√	√	√	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CP-168EL	-	-	-	-	√	√	√	√	√	√	√	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CP-118U-I	-	-	-	-	-	-	-	-	-	-	-	√	√	-	-	-	-	-	-	-	-	-	-	-	-
CP-138U-I	-	-	-	-	-	-	-	-	-	-	-	√	√	-	-	-	-	-	-	-	-	-	-	-	-
POS-104UL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	√	-	-	-	-	-	-	-	-	-	-
CA-108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	√	√	-	-
CB-108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	√	√	-	-
CA-114	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	√	√	-	-
CB-114	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	√	√	-	-
CA-134I	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	√	√	-	-
CB-134I	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	√	√	-	-
CA-104	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	√	√	-	-
CA-132	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	√	√	-
CA-132I	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	√	√	-



8-port RS-232 Connection Boxes

OPT8-M9



Connector Types

Board-side: DB62 male x 1

Device-side: DB9 male x 8

Specifications

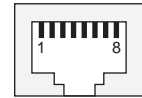
LEDs: TxD, RxD indicators for each device-side port

Dimensions: 90 x 110 x 27 mm (3.5 x 4.3 x 1.1 in)

Included Accessories

Connection Cable: DB62 male to DB62 female 150 cm connection cable for connecting to the serial board

OPT8-RJ45



Connector Types

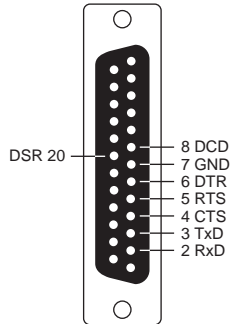
Board-side: DB62 male x 1

Device-side: 8-pin RJ45 x 8

Cable Length

30 cm

OPT8A/S



Connector Types

Board-side: DB62 male x 1

Device-side: DB25 female x 8

Specifications

LEDs: TxD, RxD for each device-side port

Baudrate: 50 bps to 921.6 Kbps

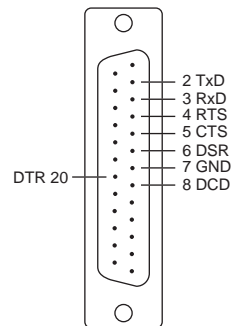
Dimensions: 247 x 108 x 35 mm (9.7 x 4.3 x 1.4 in)

Protection: 25 KV ESD, 2 KV EFT surge protection (Opt8S only)

Included Accessories

Connection Cable: DB62 male to DB62 female 150 cm connection cable for connecting to the serial board

OPT8B



Connector Types

Board-side: DB62 male x 1

Device-side: DB25 male x 8

Specifications

LEDs: TxD, RxD indicators for each device-side port

Baudrate: 50 bps to 921.6 Kbps

Dimensions: 247 x 108 x 35 mm (9.7 x 4.3 x 1.4 in)

Included Accessories

Connection Cable: DB62 male to DB62 female 150 cm connection cable for connecting to the serial board

8-port RS-422 Connection Boxes

OPT8F/Z

Connector Types

Board-side: DB62 male x 1

Device-side: DB25 female x 8

Specifications

LEDs: TxD, RxD indicators for each device-side port

Baudrate: 50 bps to 115.2 Kbps

Dimensions: 247 x 108 x 35 mm (9.7 x 4.3 x 1.4 in)

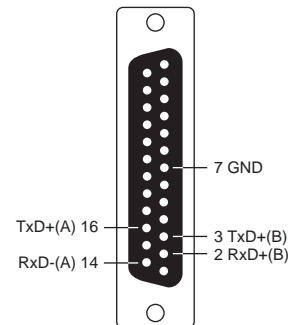
Optical Isolation: 500 V (Opt8F only)

Power Consumption: 0.8 A max. @ 5 VDC

Included Accessories

Connection Cable: DB62 male to DB62 female 150 cm connection cable for connecting to the serial board

Power Adaptor: 100/110/220 VAC



8-port RS-422/485 Connection Boxes

OPT8K

Connector Types

Board-side: DB62 male x 1

Device-side: DB25 female x 8

Specifications

LEDs: TxD, RxD indicators for each device-side port

Baudrate: 50 bps to 230.4 Kbps

Dimensions: 247 x 108 x 35 mm (9.7 x 4.3 x 1.4 in)

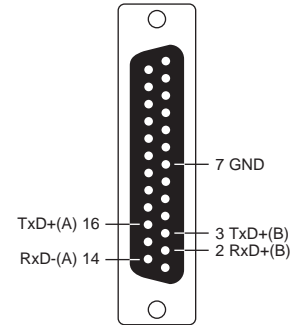
Protection: 16 KV ESD, 1 KV EFT surge protection

Power Consumption: 0.3 A max. @ 12 VDC

Included Accessories

Connection Cable: DB62 male to DB62 female 150 cm connection cable for connecting to the serial board

Power Adaptor: 110/230 VAC



8-port RS-232 Connection Cables

CBL-M62M25x8-100 (OPT8C)

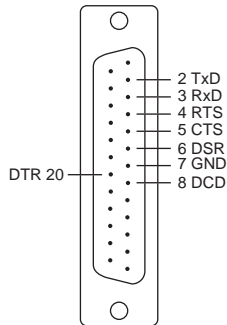
Connector Types

Board-side: DB62 male x 1

Device-side: DB25 male x 8

Cable Length

100 cm



CBL-M62M9x8-100 (OPT8D)

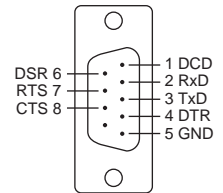
Connector Types

Board-side: DB62 male x 1

Device-side: DB9 male x 8

Cable Length

100 cm



CBL-M68M25x8-100 (OPT8C+)

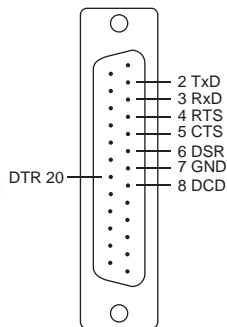
Connector Types

Board-side: VHDCI 68 x 1

Device-side: DB25 male x 8

Cable Length

100 cm



CBL-M68M9x8-100 (OPT8D+)

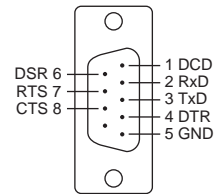
Connector Types

Board-side: VHDCI 68 x 1

Device-side: DB9 male x 8

Cable Length

100 cm



CBL-M78M25x8-100

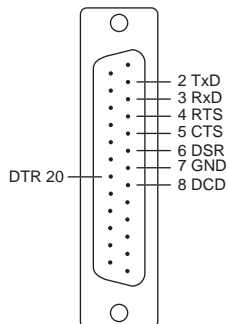
Connector Types

Board-side: DB78 male x 1

Device-side: DB25 male x 8

Cable Length

100 cm



CBL-M78M9x8-100

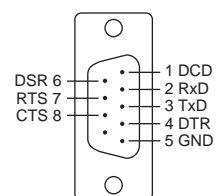
Connector Types

Board-side: DB78 male x 1

Device-side: DB9 male x 8

Cable Length

100 cm

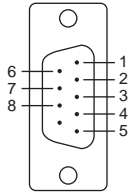


4-port Connection Cables

CBL-F40M9x4-50

40-pin box header to 4-port DB9 male cable

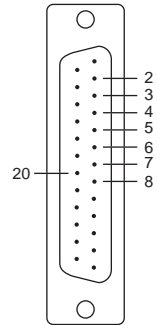
PIN	RS-232	RS-422	RS-485-4w	RS-485-2w
1	DCD	TxD-(A)	TxD-(A)	---
2	RxD	TxD+(B)	TxD+(B)	---
3	TxD	RxD+(B)	RxD+(B)	Data+(B)
4	DTR	RxD-(A)	RxD-(A)	Data-(A)
5	GND	GND	GND	GND
6	DSR	---	---	---
7	RTS	---	---	---
8	CTS	---	---	---
9	---	---	---	---



CBL-F40M25x4-50

40-pin box header to 4-port DB25 male cable

PIN	RS-232	RS-422	RS-485-4w	RS-485-2w
2	TxD	RxD+(B)	RxD+(B)	Data+(B)
3	RxD	TxD+(B)	TxD+(B)	---
4	RTS	---	---	---
5	CTS	---	---	---
6	DSR	---	---	---
7	GND	GND	GND	GND
8	DCD	TxD-(A)	TxD-(A)	---
20	DTR	RxD-(A)	RxD-(A)	Data-(A)
22	---	---	---	---

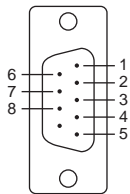


2-port Connection Cables

CBL-F20M9x2-50

20-pin box header to 2-port DB9 male cable

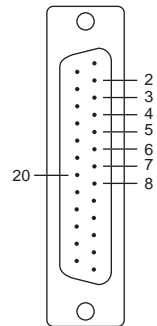
PIN	RS-422	RS-485-4w	RS-485-2w
2	RxD+(B)	RxD+(B)	Data+(B)
3	TxD+(B)	TxD+(B)	---
4	---	---	---
5	---	---	---
6	---	---	---
7	GND	GND	GND
8	TxD-(A)	TxD-(A)	---
20	RxD-(A)	RxD-(A)	Data-(A)
22	---	---	---



CBL-F20M25x2-50

20-pin box header to 2-port DB25 male cable

PIN	RS-422	RS-485-4w	RS-485-2w
1	TxD-(A)	TxD-(A)	---
2	TxD+(B)	TxD+(B)	---
3	RxD+(B)	RxD+(B)	Data+(B)
4	RxD-(A)	RxD-(A)	Data-(A)
5	GND	GND	GND
6	---	---	---
7	---	---	---
8	---	---	---
9	---	---	---



10-pin RJ45 to DB9/DB25 Connection Cables

These cables can be used with the following products: C320Turbo Series, CP-204J, CI-104J, A52, A53, A60

CN20030

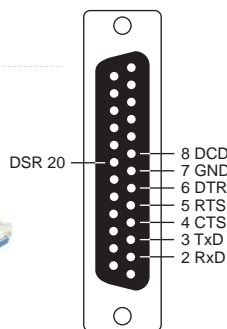
Connector Types

Board-side: 10-pin RJ45 x 1

Device-side: DB25 female x 1

Cable Length

150 cm



CN20060

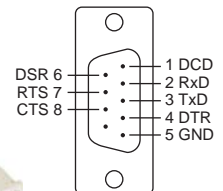
Connector Types

Board-side: 10-pin RJ45 x 1

Device-side: DB9 male x 1

Cable Length

150 cm



CN20040

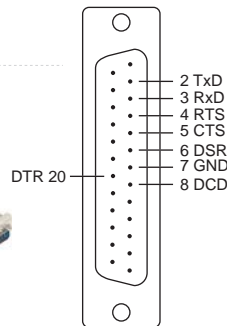
Connector Types

Board-side: 10-pin RJ45 x 1

Device-side: DB25 male x 1

Cable Length

150 cm



CN20070

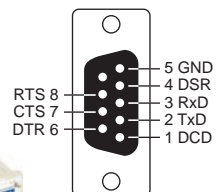
Connector Types

Board-side: 10-pin RJ45 x 1

Device-side: DB9 female x 1

Cable Length

150 cm



8-pin RJ45 to DB9/DB25 Connection Cables

These cables can be used with the following products: CP-104JU, OPT8-RJ45, NPort® 5210, NPort® 5600, NPort® 6600, CN2510/2600, NPort® W2004, UC-7410/7420

CBL-RJ45F25-150

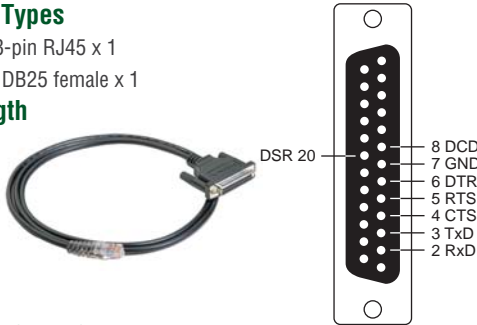
Connector Types

Board-side: 8-pin RJ45 x 1

Device-side: DB25 female x 1

Cable Length

150 cm



CBL-RJ45F9-150

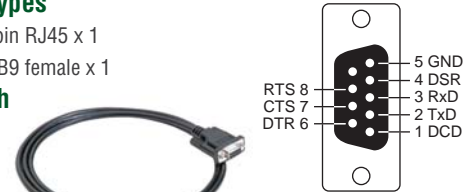
Connector Types

Board-side: 8-pin RJ45 x 1

Device-side: DB9 female x 1

Cable Length

150 cm



CBL-RJ45M25-150

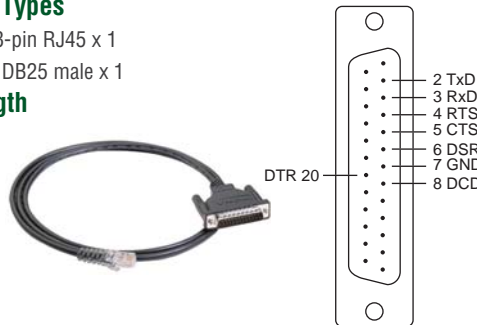
Connector Types

Board-side: 8-pin RJ45 x 1

Device-side: DB25 male x 1

Cable Length

150 cm



CBL-RJ45M9-150

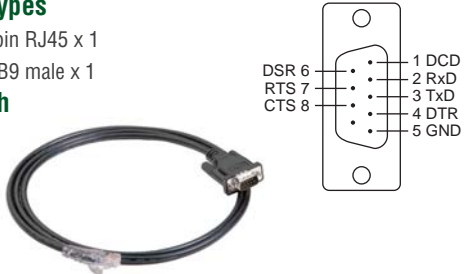
Connector Types

Board-side: 8-pin RJ45 x 1

Device-side: DB9 male x 1

Cable Length

150 cm



CBL-RJ45SF25-150

Cable Type: Shielded

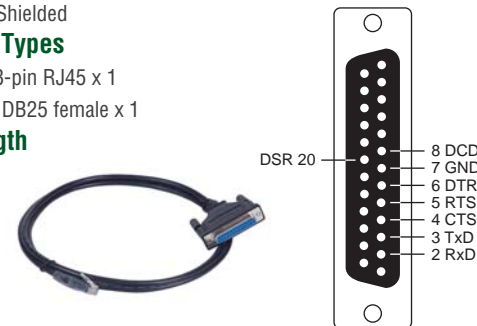
Connector Types

Board-side: 8-pin RJ45 x 1

Device-side: DB25 female x 1

Cable Length

150 cm



CBL-RJ45SF9-150

Cable Type: Shielded

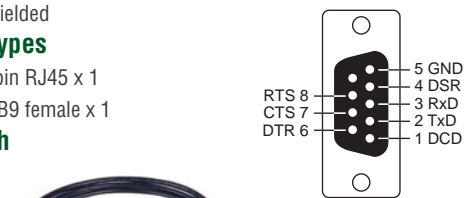
Connector Types

Board-side: 8-pin RJ45 x 1

Device-side: DB9 female x 1

Cable Length

150 cm



CBL-RJ45SM25-150

Cable Type: Shielded

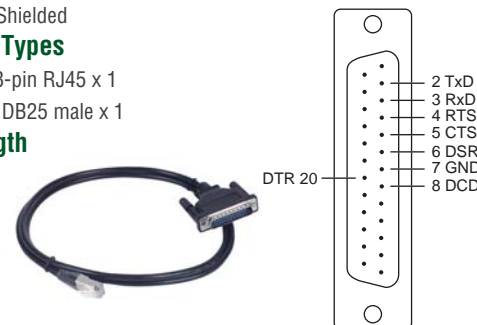
Connector Types

Board-side: 8-pin RJ45 x 1

Device-side: DB25 male x 1

Cable Length

150 cm



CBL-RJ45SM9-150

Cable Type: Shielded

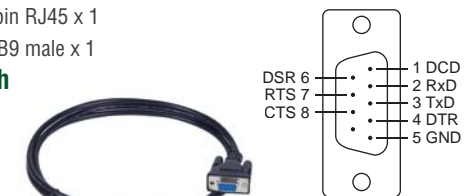
Connector Types

Board-side: 8-pin RJ45 x 1

Device-side: DB9 male x 1

Cable Length

150 cm



A

Accessories > Serial Connection Options

Wiring Kits

**Wiring Terminals
TB-M9**

Type: DB9 male DIN-rail wiring terminal

Use with these products

Device Servers: NPort® DE-311/304/334

Specifications

Connector: DB9 male

Rating: 300 V, 20 A (IEC250V 10A)

Operating Temperature: -40 to 105°C (-40 to 221°F)

Suitable Wiring: 24-12 AWG (IEC 0.5-2.5 mm²)

Dimensions: 77.5 x 45 x 51 mm (3.05 x 1.77 x 2.01 in)



TB-F9

Type: DB9 female DIN-rail wiring terminal

Use with these products

Device Servers: NPort® DE-311/304/334

Serial Boards: CI-132 Series,
CP-132 Series, CP-102U

Specifications

Connector: DB9 female

Rating: 300 V, 20 A (IEC250V 10A)

Operating Temperature: -40 to 105°C (-40 to 221°F)

Suitable Wiring: 24-12 AWG (IEC 0.5-2.5 mm²)

Dimensions: 77.5 x 45 x 51 mm (3.05 x 1.77 x 2.01 in)



TB-M25

Type: DM25 male DIN-rail wiring terminal

Use with these products

Device Servers: NPort® DE-211

Serial Boards: CP-102UL, CP-132UL-I,
CP-102EL, CP-132EL-I, CP-132EL

Specifications

Connector: DB25 male

Rating: 300 V, 20 A (IEC250V 10A)

Operating Temperature: -40 to 105°C (-40 to 221°F)

Suitable Wiring: 24-12 AWG (IEC 0.5-2.5 mm²)

Dimensions: 77.5 x 90 x 51 mm (3.05 x 3.54 x 2.01 in)



TB-F25

Type: DB25 female DIN-rail wiring terminal

Use with these products

Device Servers: NPort® DE-211

Specifications

Connector: DB25 female

Rating: 300 V, 20 A (IEC250V 10A)

Operating Temperature: -40 to 105°C (-40 to 221°F)

Suitable Wiring: 24-12 AWG (IEC 0.5-2.5 mm²)

Dimensions: 77.5 x 90 x 51 mm (3.05 x 3.54 x 2.01 in)



3-pin Terminal Block

Model Name: TB-500F-103-5ESDV

Can be used with these products

Device Servers: NPort® 5200/5400

Usage

Power: For connecting to DC power source



5-pin Terminal Block

Model Name: TB-500F-105-5ESDV

Can be used with these products

Device Servers: NPort® 5230/5232, NPort® 5430,
all NPort® IA models

Usage

Data Transmission: For connecting to serial devices



7-pin Terminal Block

Model Name: TB-500F-107-5ESDV

Can be used with these products

Device Servers: NPort® 5230/5232

Usage

Data Transmission: For connecting to serial devices



10-pin Terminal Block

Model Name: TB-500F-110-5ESDV

Can be used with these products

Device Servers: All NPort® IA models

Usage

Power and Relay: For connecting to dual DC power sources and relay output



Power Jack to Terminal Block Cable

Model Name: CBL-PJ210W-10

Type: DB9 male DIN-rail wiring terminal

Specifications

Cable Length: 100±20 mm

Open Wire Length: 7.5±1 mm



RJ45 to DB9 Adaptor

Model Name: ADP-RJ458P-DB9M

Type: RJ45 to DB9 male



RJ45 to DB9 Adaptor








Model Name: ADP-RJ458P-DB9F

Type: RJ45 to DB9 female



Power Supplies

24/48 VDC power supplies for installation on a DIN-Rail

	24 VDC DIN-Rail Power Supplies					48 VDC DIN-Rail Power Supplies	
	DR-4524	DR-75-24	DR-120-24	MDR-40-24	MDR-60-24	DR-75-48	DR-120-48
							
Dimensions (mm)	78 x 67 x 93	55.5 x 100 x 125.2	65.5 x 100 x 125.2	40 x 90 x 100	40 x 90 x 100	55.5 x 100 x 125.2	65.5 x 100 x 125.2
Power	45 W	75 W	120 W	40 W	60 W	75 W	120 W
Input	85-264 VAC (47-63 Hz) or 120-370 VDC		88-132 VAC or 176-264 VAC (47-63 Hz) by switch, or 248-370 VDC	85-264 VAC (47-63 Hz) or 120-370 VDC		85-264 VAC (27-63 Hz) or 120-370 VDC	88-132 VAC or 176-264 VAC (47-63 Hz) by switch, or 248-370 VDC
Output	48 W, 24 VDC, 0-2 A	76.8 W, 24 VDC, 0-3.2 A	120 W, 24 VDC, 0-5 A	40 W, 24 VDC, 0-1.7 A	60 W, 24 VDC, 0-2.5 A	76.8 W, 48 VDC, 0-1.6 A	120 W, 48 VDC, 0-2.5 A
Over-voltage Protection	27.6-32.4 V	29-33 V		31.2-36 V		58-65 V	
Overload Protection	105-150%						
Type	Constant Current Limiting						
Reset	Auto Recovery						
Inrush Current	30 A and 115 V, or 60 A and 230 V						
Weight	400 g	550 g	650 g	260 g	280 g	550 g	650 g
Operating Temperature and Relative Humidity	-10 to 50°C (14 to 122°F) at 20 to 90% RH	-10 to 60°C (14 to 140°F) at 20 to 90% RH		-20 to 70°C (-4 to 158°F) at 20 to 90% RH		-10 to 60°C (14 to 140°F) at 20 to 90% RH	
Warranty	3 years						
Safety Standards	TÜV EN60950-1, UL508 Approved						
EMC Standards	CISPR22 (EN55022) Class B, EN61000-4-2/3/4/5/6/8/11, ENV50204, EN61000-3-2, EN50082-2						

Ordering Information

24 VDC DIN-Rail Power Supplies

DR-4524: 45W/2A DIN-Rail 24 VDC power supply with universal 85 to 264 VAC input, -10 to 50°C operating temperature

DR-75-24: 75W/3.2A DIN-Rail 24 VDC power supply with universal 85 to 264 VAC input, -10 to 60°C operating temperature

DR-120-24: 120W/5A DIN-Rail 24 VDC power supply with universal 88 to 132 VAC or 176 to 264 VAC input by switch, -10 to 60°C operating temperature

MDR-40-24: 40W/1.7A DIN-Rail 24 VDC power supply with universal 85 to 264 VAC input, -20 to 70°C operating temperature

MDR-60-24: 60W/2.5A DIN-Rail 24 VDC power supply with universal 85 to 264 VAC input, -20 to 70°C operating temperature

48 VDC DIN-Rail Power Supplies

DR-75-48: 75W/1.6A DIN-Rail 48 VDC power supply with universal 85 to 264 VAC input, -10 to 60°C operating temperature

DR-120-48: 120W/2.5A DIN-Rail 48 VDC power supply with universal 88 to 132 VAC or 176 to 264 VAC input by switch, -10 to 60°C operating temperature

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Accessories > Power Supplies

Power Adaptors

The following power adaptors can be used with these products: NPort® DE-211/311, NPort® 5100/5200/5400/6150/6250/6450, NPort® W2004, NPort® 2150/2250 Plus, UC-7110/7410/7420, VPort 251



	PWR-12150-CN-S1	PWR-12120-USJP-S2	PWR-12120-DT-S2	PWR-12200-DT-S1	PWR-12042-US-S2	PWR-12042-EU-S1
Input Rating						
I/P	100-240 VAC, 50-60 Hz	100-240 VAC, 50-60 Hz	100-240 VAC, 50-60 Hz	100-240 VAC, 50-60 Hz	100-240 VAC, 50-60 Hz	100-240 VAC, 50-60 Hz
Input Plug						
Plug Type	CN	US/JP	---	---	US	Euro
Output Rating						
O/P	1.5 A @ 12 VDC	1.2 A @ 12 VDC	1.2 A @ 12 VDC	2 A @ 12 VDC	420 mA @ 12 VDC	420 mA @ 12 VDC
Output Plug						
Connector Type	L-type 5.5/2.1/9.0	L-type 5.5/2.1/9.5	S-type 5.5/2.1/7.5	S-type 5.5/2.1/7.5	L-type 5.5/2.1/9.0	L-type 5.5/2.1/9.0
Outer Diameter	5.5 ± 0.1 mm	5.5 ± 0.1 mm	5.5 ± 0.1 mm	5.5 ± 0.1 mm	5.5 ± 0.1 mm	5.5 ± 0.1 mm
Inner Diameter	2.1 ± 0.1 mm	2.1 ± 0.1 mm	2.1 ± 0.1 mm	2.1 ± 0.1 mm	2.1 ± 0.1 mm	2.1 ± 0.1 mm
Physical Characteristics						
Dimensions	70 x 45 x 54 mm	75 x 34 x 72 mm	80 x 49.5 x 30 mm	110.8 x 51.8 x 32 mm	62 x 29 x 66 mm	62 x 29 x 78 mm
Weight	200 g	130 g	124.5 g	200 g	85 g	90 g
Cord Length	1800 ± 200 mm	1830 to 1950 mm	1830 mm (minimum)	1800 ± 200 mm	1830 ± 150 mm	1830 ± 150 mm
Environmental Limits						
Operating Temperature	0 to 40°C (32 to 104°F)	0 to 40°C (32 to 104°F)	0 to 40°C (32 to 104°F)	0 to 40°C (32 to 104°F)	0 to 40°C (32 to 104°F)	0 to 40°C (32 to 104°F)
Regulatory Approvals						
Safety	UL/PSE	UL/PSE	UL/CE/FCC/TUV/PSE/SAA	UL/CE/FCC/GS/CCC	UL/FCC	CE/TÜV



	PWR-12042-UK-S1	PWR-12040-AU-S1	PWR-12120-AU-S2	PWR-12150-EU-S2	PWR-12150-UK-S2	PWR-12200-DT-S2
Input Rating						
I/P	100-240 VAC, 50-60 Hz	100-240 VAC, 50-60 Hz	100-240 VAC, 50-60 Hz	100-240 VAC, 50-60 Hz	100-240 VAC, 50-60 Hz	100-240 VAC, 50-60 Hz
Input Plug						
Plug Type	Euro	AU	AU	Euro	UK	---
Output Rating						
O/P	420 mA @ 12 VDC	400 mA @ 12 VDC	1.2 A @ 12 VDC	1.5 A @ 12 VDC	1.5 A @ 12 VDC	2 A @ 12 VDC
Output Plug						
Connector Type	L-type 5.5/2.1/9.0	L-type 5.5/2.1/9.0	L-type 5.5/2.1/9.0	L-type 5.5/2.1/9.0	L-type 5.5/2.1/9.0	L-type 5.5/2.1/7.5
Outer Diameter	5.5 ± 0.1 mm	5.5 ± 0.1 mm	5.5 ± 0.1 mm	5.5 ± 0.1 mm	5.5 ± 0.1 mm	5.5 ± 0.1 mm
Inner Diameter	2.1 ± 0.1 mm	2.1 ± 0.1 mm	2.1 ± 0.1 mm	2.1 ± 0.1 mm	2.1 ± 0.1 mm	2.1 ± 0.1 mm
Physical Characteristics						
Dimensions	65 x 48 x 72 mm	64.2 x 40.3 x 62.24 mm	75 x 41 x 64.94 mm	70 x 45 x 66.5 mm	70 x 45 x 60 mm	110 x 60 x 34 mm
Weight	105 g	93 g	150 g	200 g	200 g	200 g
Cord Length	1830 ± 150 mm	1500 ± 100 mm	1500 ± 100 mm	1800 ± 200 mm	1800 ± 200 mm	1800 ± 100 mm
Environmental Limits						
Operating Temperature	0 to 40°C (32 to 104°F)	0 to 40°C (32 to 104°F)	0 to 40°C (32 to 104°F)	0 to 40°C (32 to 104°F)	0 to 40°C (32 to 104°F)	0 to 40°C (32 to 104°F)
Regulatory Approvals						
Safety	CE	SAA	SAA/CE	FCC/ELT/PSE/CE	CE/GS/FCC/PSE/ETL	CE/GS/FCC/PSE/UL

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Accessories > Power Adaptors

Power Cords

The following power adaptors can be used with these products: CN2510, CN2600 Series, NPort® 5600 Series, NPort® 6600 Series

PWC-C13US-3B-183



US Plug (110 V)
 Thickness: 6.8 mm
 Max. Current: 10 A
 Length: 1830 mm

PWC-C13EU-2B-183



Euro Plug (250 V)
 Thickness: 6.8 mm
 Max. Current: 10 A
 Length: 1830 mm

PWC-C13UK-3B-183



UK Plug (250 V)
 Thickness: 6.8 mm
 Max. Current: 5 A
 Length: 1830 mm

PWC-C13JP-3B-183



Japan Plug (125 V)
 Thickness: 7.0 mm
 Max. Current: 7 A
 Length: 1830 mm

PWC-C13AU-3B-183



AU Plug (250 V)
 Thickness: 6.0 mm
 Max. Current: 10 A
 Length: 1830 mm

PWC-C13CN-3B-183



CN Plug (250 V)
 Thickness: 6.0 mm
 Max. Current: 10 A
 Length: 1830 mm

TK-485 Tuning Kit

Pull high/low resistance tuner with termination resistor



The TK-485, which has both a termination resistor and tuning resistor, is a great tool for engineers who build networks of daisy-chained 2-wire RS-485 devices. You no longer need to open up your RS-485 devices to add a termination resistor, and then add another resistor to tune the pull high/low resistance. Instead, simply connect the TK-485 to your RS-485 network, activate the termination resistor, and then tune the pull high/low resistor on the TK-485 until the RS-485 signal is transmitted intact.

Specifications

Serial Protection

Isolation: 2 KV isolation protection

ESD Protection: ±4 KV protection from ESD due to contact discharge

Power Requirements

Power Input:

- 12 to 48 VDC input through power jack
- ±12 to ±48 VDC input through terminal block, with polarity protection

Resistance Options

Pull High: 600 Ω, 1 KΩ, 2 KΩ, 4.7 KΩ, 10 KΩ

Pull Low: 600 Ω, 1 KΩ, 2 KΩ, 4.7 KΩ, 10 KΩ

Terminator: 120 Ω

Connectors

Signal Inputs: D+, D-, GND

Signal Outputs: D+, D-, GND

Environmental Limits

Operating Temperature: 0 to 55°C

Operating Humidity: 95% RH max., non-condensing

Storage Temperature: -20 to 70°C

Fiber Optic Adaptors



ADP-SCm-STf-S

Type: SC male to ST female duplex adaptor for single-mode fiber

Fiber Optic Cable

Single-mode: 9/125 μm

Ferrules and Sleeves: Zirconia Ceramic

Body Color: Blue

Insertion Loss: 0.5/1.1 (TYP/MAX)

Connectors

SC-side: SC male connector

ST-side: ST female connector

ADP-SCm-STf-M

Type: SC male to ST female duplex adaptor for multi-mode fiber

Fiber Optic Cable

Multi-mode: 62.5/125 μm

Ferrules and Sleeves: Zirconia Ceramic

Body Color: Gray

Insertion Loss: 0.1/0.3 (TYP/MAX)

Connectors

SC-side: SC male connector

ST-side: ST female connector

Multimode Optical Fiber Patch Cords

These fiber optic patch cords can be used with the following products: TCF-90-M, TCF-142-M, TCF-142-M-T, all multi-mode models of EDS switches, IMC-101/101G Series, IMC-21

Features

- Standard multi-mode (graded index)
- Duplex for TX/RX, cable is joined together in lamp-cord fashion for easy separation when installing
- 62.5/125 micron core fiber
- Ceramic ferrules offer a typical insertion loss of ≤ 0.5 dB
- Operating temperature: -20 to 75°C (-4 to 167°F)
- Storage temperature: -40 to 85°C (-40 to 185°F)
- Standards: IEC607932-2
- Wavelength: 850/1300 nm

Ordering Information

SC to SC Connectors

Optical fiber patch cords, full duplex multi-mode, 62.5 microns



Model Name	Cable Length
PA-MM(62.5)-2SC2SC-1M	1 meter
PA-MM(62.5)-2SC2SC-3M	3 meters
PA-MM(62.5)-2SC2SC-5M	5 meters
PA-MM(62.5)-2SC2SC-10M	10 meters

ST to ST Connectors

Optical fiber patch cords, full duplex multi-mode, 62.5 microns



Model Name	Cable Length
PA-MM(62.5)-2ST2ST-1M	1 meter
PA-MM(62.5)-2ST2ST-3M	3 meters
PA-MM(62.5)-2ST2ST-5M	5 meters
PA-MM(62.5)-2ST2ST-10M	10 meters

SC to ST Connectors




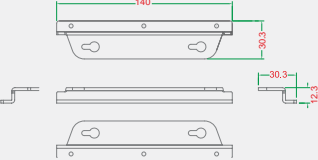
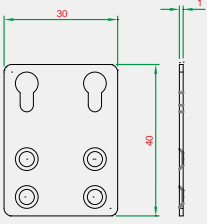
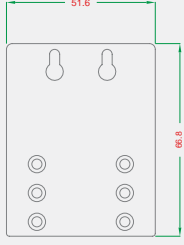
Optical fiber patch cords, full duplex multi-mode, 62.5 microns




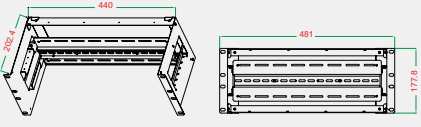
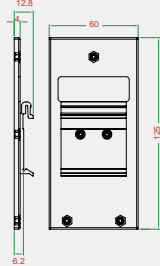
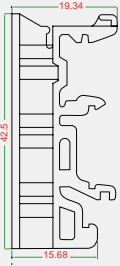


Model Name	Cable Length
PA-MM(62.5)-2SC2ST-1M	1 meter
PA-MM(62.5)-2SC2ST-3M	3 meters
PA-MM(62.5)-2SC2ST-5M	5 meters
PA-MM(62.5)-2SC2ST-10M	10 meters

Mounting Kits

Wall mounting, rack mounting, and DIN-Rail mounting kits

	WK-32 Wall Mounting Kit	WK-30 Wall Mounting Kit	WK-46 Wall Mounting Kit
Mounting Kit			
Matched Products	Modular Ethernet Switch: EDS-828/728 series	Unmanaged Ethernet Switch: EDS-205A/G205 series	Managed Ethernet Switch: EDS-G509/500A/400A and EDS-P510 series Unmanaged Ethernet Switch: EDS-G308/P308/316/309/308/305/205A/208A series Wireless AP/Bridge/AP Client: AWK-3121/1100 series Media Converter: IMC-101G/101 series Video Server: VPort 354/351/3310/D351 series
Dimensions (W x H x D)	 30.3 x 140 x 12.3 mm	 40 x 30 x 1 mm	 51.6 x 66.8 x 1 mm

	RK-4U 19" Rack Mounting Kit	DK-M12-305 DIN-Rail Mounting Kit	DK-35A DIN-Rail Mounting Kit
Mounting Kit			
Matched Products	Managed Ethernet Switch: EDS-G509/500A/400A and EDS-P510 series Unmanaged Ethernet Switch: EDS-G308/P308/316/309/308/305/200A/200 series Wireless AP/Bridge/AP Client: AWK-3121/1100 series Media Converter: IMC-101G/101/21 series Video Server: VPort 354/351/3310/D351 series	Unmanaged Ethernet Switch: EDS-305-M12 series	Video Server: VPort 251/2141 series
Dimensions (W x H x D)	 481 x 177.8 x 202.4 mm	 60 x 125 x 12.8 mm	 42.5 x 10 x 19.34 mm

Ordering Information

Available Models

WK-32: Wall mounting kit for the EDS-728/828 series
WK-30: Wall mounting kit for the EDS-205A/G205A series

WK-46: Wall mounting kit
RK-4U: 4U-high 19" rack mounting kit
DK-M12-305: DIN-Rail mounting kit for the EDS-305-M12 series
DK-35A: DIN-Rail mounting kit for the VPort 251/2141 series

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Accessories > Mounting Kits