

S-110 PoE / SFP Media Converter

10/100Base-TX to 100Base-X Conversion



- Fixed fiber ports or empty slot for **Cisco** and other **industry standard SFPs**
- 10/100Base-TX to 100Base-X Fiber
- Supplies IEEE 802.3 PoE & PoE+ PSE power
- Compatible with legacy pre-standard PoE devices
- Advanced features: PD Reset, Smart Link Pass-Through, Fiber Fault Alert, Auto-MDIX and Loopback

Perle's feature rich **Fast Ethernet rate converting PoE Media Converters** transparently connect copper to fiber while providing Power over Ethernet (PoE) to standards-based PoE and PoE+ compliant devices such as IP cameras, VoIP phones and wireless access points. **S-110 PoE Media Converters** are also available with support for **Extended Temperature ranges**. Over 40 models to choose from with either **fixed fiber or SFP ports**. The pluggable fiber optics port allows for flexible network configurations using **SFP transceivers supplied by Perle, Cisco** or other manufacturers of MSA compliant SFPs.

Perle **PoE Media Converters** are classified as Power Sourcing Equipment (PSE). While using standard UTP cables that carry Ethernet data, Perle PoE media converters also provide power to Powered Devices (PDs). Perle has PoE media converter models that support the IEEE 802.3af PoE standard (15.4W of power) or the IEEE 802.3at PoE+ standard (30W of power). Learn more **about PoE**.

Perle **10/100 PoE Ethernet to Fiber Converters** provide an economical path to extend the distance of an existing network with fiber cabling. At the same time they function as PoE injectors to power devices like IP phones, video conferencing equipment, IP cameras and Wi-Fi devices over copper UTP cabling.

Network Administrators can "see-everything" with Perle's advanced features such as Auto-Negotiation, Auto-MDIX, Link Pass-Through, Fiber Fault Alert, and Loopback. This allows for more efficient troubleshooting and less on-site maintenance. These cost and time saving features, along with a lifetime warranty and free worldwide technical support, make Perle's **Fast Ethernet rate converting PoE Media Converters** the smart choice for IT professionals.

Fast Ethernet Rate Converting to Fiber PoE Media Converter Features

Power Over Ethernet (PSE)

- Performs the Power Sourcing Equipment (PSE) function for IEEE 802.3af (15.4 watts PoE) and IEEE 802.3at (up to 30 watts PoE+) compliant devices.
- Available in PoE and PoE+ models
- PoE+ models support both Type 1 (PoE) and Type 2 (PoE+) PD gear

Advanced Power Management

- Enable/Disable PSE power
- PD signature detection
- Over-Current Protection
- PD power classification detection (Class 0,1,2,3,4)

PD Power Reset

Ideal for remotely resetting equipment, this configurable function performs a momentary power reset to the attached Powered Device (PD). When enabled, the media converter will, upon loss of fiber RX, turn off PSE output power supplied to the PD device for 2 seconds then turn the power back on and leave it on until such time that another fiber RX link is lost (after it was re-established). When disabled, a loss of fiber RX has no effect on PSE power to the PD device(s).

Powered Device Support

Support is included for a broad range of PD (Powered Devices)

- IEEE Standard PoE/PoE+ (Alternative A and B)
- Legacy High Capacitance PDs
- Legacy VoIP phones and Wireless Access Points

Power Strain Relief strap

Included with all models, a strain relief strap is provided to ensure a solid and secure power connection to the media converter. Ideal for areas that may be exposed to vibration.

Auto-Negotiation (802.3u)

The media converter supports auto negotiation on the 10/100Base-TX interface.

Auto-MDIX

Auto-MDIX (automatic medium-dependant interface crossover) detects the signaling on the UTP interface to determine the type of cable connected (straight-through or crossover) and automatically configures the connection when enabled. With Auto-MDIX enabled, either a straight-through or crossover type cable can be used to connect the media converter to the device on the other end of the cable.

Link Pass-Through

With Link Pass-Through the state of the UTP receiver is passed to the fiber transmitter to make the media converter appear transparent to the end devices that are connected. In addition if Far-End Fault is enabled the media converter can turn off the 10/100Base-TX transmitter when a FAR-End Fault is received.

Using Link Pass-Through with Far-End Fault minimizes data loss when a fault occurs. Should a fault occur, the end devices have the indication of a failure available to them making trouble shooting easier.

Far-End Fault (FEF)

The media converter implements the 802.3 standard for Far-End Fault for the indication and detection of remote fault conditions on the 100Base-X fiber connection. With Far-End Fault enabled the media converter transmits the Far-End Fault Indication over the 100Base-X fiber connection whenever a receive failure is detected on the 100Base-X fiber connection. The media converter continuously monitors the 100Base-X fiber connection for a valid signal.

The action the media converter takes on receiving a Far-End Fault Indication is dependent on the Link Pass-Through switch setting.

Pause (IEEE 802.3xy)

Pause signaling is an IEEE feature that temporarily suspends data transmission between two devices in the event that one of the devices becomes overwhelmed. The media converter supports pause negotiation on the 10/100Base-TX copper connection.

Duplex

Full and half duplex operation supported.

VLAN

Transparent to VLAN tagged packets.

Remote Loopback

Capable of performing a loopback on the 100Base-X fiber interface.

Not what you are looking for? View all Perle **Media Converters**.

Need help? **Contact Perle**.

Specifications

Lifetime limited warranty	Reach, RoHS and WEEE Compliant	HTSUS Number: 8517.62.0020	UNSPSC Code: 43201553	ECCN: 5A991
----------------------------------	---------------------------------------	--------------------------------------	---------------------------------	-----------------------



Power

Input Supply Voltage	<ul style="list-style-type: none"> PoE models: 46 - 57 vDC PoE+ models: 52 - 57 vDC
Power Consumption	3.5 Watts
Power Over Ethernet (PSE)	<ul style="list-style-type: none"> PoE models: maximum to 15.4 watts supplied to port PoE+ models: up to 30 watts supplied to port
PoE Options	<ul style="list-style-type: none"> Alternative A (power on pins 1,2 and 3,6) Alternative B (power on pins 4,5 and 7,8) <p>Legacy PoE (IE VoIP phones and wireless access points) - (reverse polarity on pins 4,5 and 7,8)</p> <p>Legacy large capacitor detect (pins 4,5 and 7,8)</p>
Power Connector	5.5mm x 9.5mm x 2.1mm barrel socket

Power Adapter	
Universal AC/DC adapter	<ul style="list-style-type: none"> • 100-240v AC, regulated 48vDC adapter included for PoE • 100-240v AC, regulated 56vDC adapter included for PoE+
Indicators	
Power (PWR)	<p>This green LED is turned on when power is applied to the media converter. Otherwise it is off. The LED will blink slowly when either fiber port is in Loopback test mode. The LED will blink quickly if there is a hardware failure where the reason code can be identified through a various blinking cycles.</p>
Fiber link on / Receive activity (LKF 1/2)	<ul style="list-style-type: none"> • This green LED is operational only when power is applied. The LED will blink along with transmit/receive data on the fiber port • If a loss of link on the copper port results in a Link Passthrough condition to the fiber port, this LED will blink at a rate of once every 2 seconds until the condition is cleared.
Copper link on / Receive activity (LKC 1/2)	<ul style="list-style-type: none"> • This green LED is operational only when power is applied. The LED will blink along with transmit/receive data on the 10/100/1000 UTP port • If a loss of link on the copper port results in a Link Passthrough condition to the fiber port, this LED will blink at a rate of once every 2 seconds until the condition is cleared.
10/100 Speed	<p>This green LED is operational only when power is applied. The LED is green when the speed of the copper ethernet port is running at 100 Mbps. The LED is off when in 10 Mbps.</p>

PSE Status	<p>This LED will signify the status of the PSE function. Using multi-color and blinking the unit will show the following status for the PSE;</p> <p>GREEN — Solid: The PSE has successfully detected a compliant PD and is applying power over the UTP (for legacy pin out simply show active power when applied)</p> <p>YELLOW — Solid: The PSE is not active. This means the PSE has been configured to provide power, but the PD is :</p> <ul style="list-style-type: none"> • Not connected • Has not detected a compliant PD and is not applying power • PSE has turned off power for Reset function <p>OFF — PSE function switch disabled</p> <p>RED — Blinking: Error Conditions</p> <ul style="list-style-type: none"> • Capacitance too High — 1 blink • Resistance too Low or short circuit — 2 blinks • Resistance too high or open circuit — 3 blinks
Switches	
Auto-Negotiation (802.3u)	<ul style="list-style-type: none"> • <i>Enabled (Default)</i> - The media converter uses 802.3u Auto-negotiation on the 100Base-TX interface. It is set to advertise full duplex. • <i>Disabled</i> - The media converter sets the port according to the position of the speed and duplex switches.
Link Pass Through	<ul style="list-style-type: none"> • <i>Disabled (Default)</i> - The 100Base-TX and the 100Base-FX fiber interface operate independently. Far-End Fault indication on the 100Base-FX fiber interface has no effect on the 100Base-TX interface. • <i>Enabled</i> - When the state of the receiver is changed on the 100Base-TX interface it is reflected on the 100Base-FX fiber transmitter. When the state of the receiver on the 100Base-FX interface is changed it is reflected on the 100Base-TX transmitter. • When a Far-End Fault Indication is received on the fiber interface the 100Base-TX transmitter is turned off. When the Far-End Fault Indication is cleared the transmitter is turned back on.

Far-End Fault (FEF)	<ul style="list-style-type: none"> • <i>Enabled (Default)</i> - The media converter transmits the Far-End Fault Indication over the 100Base-X fiber connection whenever a receive failure is detected on the 100Base-X fiber connection. The media converter continuously monitors the 100Base-X fiber connection and clears the Far-End Fault Indication condition when a valid signal is received. • <i>Disabled</i> - Far-End Fault Indications are not transmitted regardless of the condition of the receive signal on the 100Base-FX fiber connection.
Remote Loopback	<p>The media converter can perform a loopback on the 100Base-X fiber interface.</p> <ul style="list-style-type: none"> • <i>Disabled (Default - Up)</i> • <i>Enabled</i>- The 100Base-X receiver is looped to the 100Base-X transmitter. The 100Base-TX transmitter is taken off the interface.
Speed Copper (internal strap)	<ul style="list-style-type: none"> • 100 (Default) • 10
Duplex Copper (internal strap)	<ul style="list-style-type: none"> • Full (Default) • Half
Auto-MDIX (Internal Strap)	<p>If Auto-Negotiation (802.3u) is enabled, the media converter determines the current cable pinout to use on the copper interface. If Auto-Negotiation (802.3u) is disabled the Media converter will use the RX Energy method on the copper interface to set the port MDI or MDIX whichever is appropriate.</p> <ul style="list-style-type: none"> • <i>Enabled (Default)</i> - Either a straight-through or crossover type cable can be used to connect the media converter to the device on the other end of the cable. • <i>Disabled</i> - If the partner device on the other end of the cable does not have the Auto-MDIX feature a specific cable, either a straight-through or crossover will be required to ensure that the media converter's transmitter and the partner devices transmitter are connected to the others receiver. The Media converter's 100Base-TX port is configured as MDI-X with this switch setting.

PSE Power	<p>When enabled (UP), the media converter will perform a Power Sourcing Equipment (PSE) function as per IEEE802.3af or 802.3at standards (relevant model).</p> <p>Default is 'enabled'</p>
PD Power Reset	<p>This is a technique to perform a power reset on a PD device attached.</p> <ul style="list-style-type: none"> • When enabled (down), the media converter will upon loss of link on any fiber port, turn off PSE output power to the PD device for 2 seconds then turn the power back on. The power remains on until any fiber link transitions from up to down again. • With Passthrough enabled, a loss of link on the fiber resulting from a loss of link on the copper, a PD Power Reset will occur and the copper link will continue to reflect the state of the fiber link. • When PD Power Reset disabled, loss of fiber link has no effect on PSE power to the PD device.
PoE Power Options (Internal Straps)	<ul style="list-style-type: none"> • Set to Alternative A (default): Pins 3,6 Neg, Pins 1,2 Pos • Set to Alternative B: Pins 7,8 Neg, Pins 4,5 Pos • Set to Legacy Pre-Standard: Pins 7,8 Pos, Pins 4,5 Neg
Connectors	
10/100Base-TX	<p>RJ45 connector.</p> <p>2 pair CAT5, EIA/TIA 568A/B or better cable for 10/100.</p>
Magnetic Isolation	1.5kv
Fixed Fiber	<ul style="list-style-type: none"> • Dual multimode or single mode (Duplex) fiber - SC, ST • Single strand fiber (Simplex) - SC • LC - obtained by inserting an SFP (LC) in an SFP slot model
Small Form Factor Pluggable (SFP) slot	<p>SFP slot models: Empty slot for 100Base-X SFP modules supplied by Perle, Cisco or other manufacturers of MSA compliant SFPs.</p> <p>Hot insertion and removable (hot swappable)</p>
Filtering	
Filtering	1024 MAC Addresses

Frame Specifications	
Buffer	1000 Kbits frame buffer memory
Size	Maximum frame size of 2048 bytes
Environmental Specifications	
Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	minimum range of -25°C to 70°C (-13°F to 158°F)
Operating Humidity	5% to 90% non-condensing
Storage Humidity	5% to 95% non-condensing
Operating Altitude	Up to 3,048 meters (10,000 feet)
Heat Output (BTU/HR)	12
MTBF (Hours)*	
Model Type: SFP Slot	No Power Adaptor: 437,237 Hours PoE: 229,220 Hours PoE+: 81,386 Hours
Model Type: Fixed Fiber	No Power Adaptor: 385,526 Hours PoE: 214,161 Hours PoE+: 79,404 Hours
	<i>Calculation model based on MIL-HDBK-217-FN2 @ 30°C</i>
Chassis	Metal with an IP20 ingress protection rating
Mounting	
Din Rail Kit	Optional
Rack Mount Kit	Optional

Product Weight and Dimensions	
Weight	0.3 Kg, 0.7 lbs (No power adapter)
Dimensions	120 x 80 x 26 mm, 4.7 x 3.1 x 1.0 inches
Packaging	
Shipping Weight	PoE models : 1 kg, 2.2 lbs PoE+ models : 1.3Kg, 2.9 lbs
Shipping Dimensions	300 x 200 x 70mm, 11.8 x 7.9 x 2.8 inches
Regulatory Approvals	
Emissions	<ul style="list-style-type: none"> • FCC Part 15 Class A, EN55022 Class A • CISPR 22 Class A • CISPR 32:2015/EN 55032:2015 (Class A) • CISPR 35/EN 55035 • EN61000-3-2
Immunity	EN55024
Electrical Safety	<ul style="list-style-type: none"> • UL/EN/IEC 62368-1 • CAN/CSA C22.2 No. 62368-1 • UL 60950-1 • IEC 60950-1(ed 2); am1, am2 • EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013 • CE
Laser Safety	<ul style="list-style-type: none"> • EN 60825-1 • Fiber optic transmitters on this device meet Class 1 Laser safety requirements per IEC-60825 FDA/CDRH standards and comply with 21CFR1040.10 and 21CFR1040.11.

Product List



S-110P-SFP - 10/100 Fast Ethernet Standalone Media Rate Converter with PoE Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-X - SFP Slot (empty) , w/ AC Adapter

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05084004	05084001	05084002	05084005	05084006	05084008



S-110P-M2SC2 - 10/100 Fast Ethernet Stand-Alone Media and Rate Converter with PoE Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-FX 1310nm multimode (SC) [2 km/1.2 miles] , w/ AC Adapter

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05084014	05084011	05084012	05084015	05084016	05084018



S-110P-M2ST2 - 10/100 Fast Ethernet Stand-Alone Media and Rate Converter with PoE Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-FX 1310nm multimode (ST) [2 km/1.2 miles] , w/ AC Adapter

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05084024	05084021	05084022	05084025	05084026	05084028



S-110P-S2SC20 - 10/100 Fast Ethernet Stand-Alone Media and Rate Converter with PoE Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-LX 1310nm single mode (SC) [20 km/12.4 miles] , w/ AC Adapter

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05084034	05084031	05084032	05084035	05084036	05084038



S-110P-S2ST20 - 10/100 Fast Ethernet Stand-Alone Media and Rate Converter with PoE Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-LX 1310nm single mode (ST) [20 km/12.4 miles] , w/ AC Adapter

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05084044	05084041	05084042	05084045	05084046	05084048



S-110P-S2SC40 - 10/100 Fast Ethernet Stand-Alone Media and Rate Converter with PoE Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-EX 1310nm single mode (SC) [40 km/24.9 miles] , w/ AC Adapter

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05084054	05084051	05084052	05084055	05084056	05084058



S-110P-S2ST40 - 10/100 Fast Ethernet Stand-Alone Media and Rate Converter with PoE Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-EX 1310nm single mode (ST) [40 km/24.9 miles] , w/ AC Adapter

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05084064	05084061	05084062	05084065	05084066	05084068



S-110P-S2SC80 - 10/100 Fast Ethernet Stand-Alone Media and Rate Converter with PoE Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-ZX 1550nm single mode (SC) [80 km/49.7 miles] , w/ AC Adapter

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05084074	05084071	05084072	05084075	05084076	05084078



S-110P-S2ST80 - 10/100 Fast Ethernet Stand-Alone Media and Rate Converter with PoE Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-ZX 1550nm single mode (ST) [80 km/49.7 miles] , w/ AC Adapter

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05084084	05084081	05084082	05084085	05084086	05084088



S-110P-S2SC120 - 10/100 Fast Ethernet Stand-Alone Media and Rate Converter with PoE Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-ZX 1550nm single mode (SC) [120 km/74.6 miles] , w/ AC Adapter

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05084094	05084091	05084092	05084095	05084096	05084098



S-110P-S2ST120 - 10/100 Fast Ethernet Stand-Alone Media and Rate Converter with PoE Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-ZX 1550nm single mode (ST) [120 km/74.6 miles] , w/ AC Adapter

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05084104	05084101	05084102	05084105	05084106	05084108



S-110P-S1SC20U - 10/100 Fast Ethernet Stand-Alone Media and Rate Converter with PoE Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-BX 1310nm TX / 1550nm RX single strand fiber, single mode (SC) [20 km/12.4 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05084114	05084111	05084112	05084115	05084116	05084118



S-110P-S1SC20D - 10/100 Fast Ethernet Stand-Alone Media and Rate Converter with PoE Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-BX 1550nm TX / 1310nm RX single strand fiber, single mode (SC) [20 km/12.4 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05084124	05084121	05084122	05084125	05084126	05084128



S-110P-S1SC40U - 10/100 Fast Ethernet Stand-Alone Media and Rate Converter with PoE Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-BX 1310nm TX / 1550nm RX single strand fiber, single mode (SC) [40 km/24.9 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05084134	05084131	05084132	05084135	05084136	05084138



S-110P-S1SC40D - 10/100 Fast Ethernet Stand-Alone Media and Rate Converter with PoE Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-BX 1550nm TX / 1310nm RX single strand fiber, single mode (SC) [40 km/24.9 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05084144	05084141	05084142	05084145	05084146	05084148



S-110PP-SFP - 10/100 Fast Ethernet Standalone Media Rate Converter with PoE+ Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-X - SFP Slot (empty) , w/ AC Adapter

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05085004	05085001	05085002	05085005	05085006	05085008



S-110PP-M2SC2 - 10/100 Fast Ethernet Stand-Alone Media and Rate Converter with PoE+ Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-FX 1310nm multimode (SC) [2 km/1.2 miles] , w/ AC Adapter

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05085014	05085011	05085012	05085015	05085016	05085018



S-110PP-M2ST2 - 10/100 Fast Ethernet Stand-Alone Media and Rate Converter with PoE+ Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-FX 1310nm multimode (ST) [2 km/1.2 miles] , w/ AC Adapter

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05085024	05085021	05085022	05085025	05085026	05085028



S-110PP-S2SC20 - 10/100 Fast Ethernet Stand-Alone Media and Rate Converter with PoE+ Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-LX 1310nm single mode (SC) [20 km/12.4 miles] , w/ AC Adapter

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05085034	05085031	05085032	05085035	05085036	05085038



S-110PP-S2ST20 - 10/100 Fast Ethernet Stand-Alone Media and Rate Converter with PoE+ Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-LX 1310nm single mode (ST) [20 km/12.4 miles] , w/ AC Adapter

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05085044	05085041	05085042	05085045	05085046	05085048



S-110PP-S2SC40 - 10/100 Fast Ethernet Stand-Alone Media and Rate Converter with PoE+ Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-EX 1310nm single mode (SC) [40 km/24.9 miles] , w/ AC Adapter

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05085054	05085051	05085052	05085055	05085056	05085058



S-110PP-S2ST40 - 10/100 Fast Ethernet Stand-Alone Media and Rate Converter with PoE+ Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-EX 1310nm single mode (ST) [40 km/24.9 miles] , w/ AC Adapter

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05085064	05085061	05085062	05085065	05085066	05085068



S-110PP-S2SC80 - 10/100 Fast Ethernet Stand-Alone Media and Rate Converter with PoE+ Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-ZX 1550nm single mode (SC) [80 km/49.7 miles] , w/ AC Adapter

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05085074	05085071	05085072	05085075	05085076	05085078



S-110PP-S2ST80 - 10/100 Fast Ethernet Stand-Alone Media and Rate Converter with PoE+ Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-ZX 1550nm single mode (ST) [80 km/49.7 miles] , w/ AC Adapter

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05085084	05085081	05085082	05085085	05085086	05085088



S-110PP-S2SC120 - 10/100 Fast Ethernet Stand-Alone Media and Rate Converter with PoE+ Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-ZX 1550nm single mode (SC) [120 km/74.6 miles] , w/ AC Adapter

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05085094	05085091	05085092	05085095	05085096	05085098



S-110PP-S2ST120 - 10/100 Fast Ethernet Stand-Alone Media and Rate Converter with PoE+ Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-ZX 1550nm single mode (ST) [120 km/74.6 miles] , w/ AC Adapter

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05085104	05085101	05085102	05085105	05085106	05085108



S-110PP-S1SC20U - 10/100 Fast Ethernet Stand-Alone Media and Rate Converter with PoE+ Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-BX 1310nm TX / 1550nm RX single strand fiber, single mode (SC) [20 km/12.4 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05085114	05085111	05085112	05085115	05085116	05085118



S-110PP-S1SC20D - 10/100 Fast Ethernet Stand-Alone Media and Rate Converter with PoE+ Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-BX 1550nm TX / 1310nm RX single strand fiber, single mode (SC) [20 km/12.4 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05085124	05085121	05085122	05085125	05085126	05085128



S-110PP-S1SC40U - 10/100 Fast Ethernet Stand-Alone Media and Rate Converter with PoE+ Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-BX 1310nm TX / 1550nm RX single strand fiber, single mode (SC) [40 km/24.9 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05085134	05085131	05085132	05085135	05085136	05085138



S-110PP-S1SC40D - 10/100 Fast Ethernet Stand-Alone Media and Rate Converter with PoE+ Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-BX 1550nm TX / 1310nm RX single strand fiber, single mode (SC) [40 km/24.9 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05085144	05085141	05085142	05085145	05085146	05085148



S-110P-M1SC2D - 10/100 Fast Ethernet Media and Rate Converter with PoE Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-BX 1550nm TX / 1310nm RX single strand fiber, multimode (SC) [2 km/1.2 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05084164	05084161	05084162	05084165	05084166	05084168



S-110P-M1SC2U - 10/100 Fast Ethernet Media and Rate Converter with PoE Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-BX 1310nm TX / 1550nm RX single strand fiber, multimode (SC) [2 km/1.2 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05084154	05084151	05084152	05084155	05084156	05084158



S-110PP-M1SC2D - 10/100 Fast Ethernet Media and Rate Converter with PoE+ (PoEP) Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-BX 1550nm TX / 1310nm RX single strand fiber, multimode (SC) [2 km/1.2 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05085164	05085161	05085162	05085165	05085166	05085168



S-110PP-M1SC2U - 10/100 Fast Ethernet Media and Rate Converter with PoE+ (PoEP) Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-BX 1310nm TX / 1550nm RX single strand fiber, multimode (SC) [2 km/1.2 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05085154	05085151	05085152	05085155	05085156	05085158


S-110P-M1ST2U - 10/100 Fast Ethernet Media and Rate Converter with PoE Power

Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-BX 1310nm TX / 1550nm RX single strand fiber, multimode (ST) [2 km/1.2 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05080304	05080301	05080302	05080305	05080306	05080308


S-110P-M1ST2D - 10/100 Fast Ethernet Media and Rate Converter with PoE Power

Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-BX 1550nm TX / 1310nm RX single strand fiber, multimode (ST) [2 km/1.2 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05080314	05080311	05080312	05080315	05080316	05080318


S-110P-S1ST20U - 10/100 Fast Ethernet Media and Rate Converter with PoE Power

Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-BX 1310nm TX / 1550nm RX single strand fiber, single mode (ST) [20 km/12.4 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05080284	05080281	05080282	05080285	05080286	05080288


S-110P-S1ST20D - 10/100 Fast Ethernet Media and Rate Converter with PoE Power

Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-BX 1550nm TX / 1310nm RX single strand fiber, single mode (ST) [20 km/12.4 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05080294	05080291	05080292	05080295	05080296	05080298



S-110PP-M1ST2U - 10/100 Fast Ethernet Media and Rate Converter. with PoE+ (PoEP)
Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-BX 1310nm TX / 1550nm RX single strand fiber, multimode (ST) [2 km/1.2 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05081304	05081301	05081302	05081305	05081306	05081308



S-110PP-M1ST2D - 10/100 Fast Ethernet Media and Rate Converter. with PoE+ (PoEP)
Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-BX 1550nm TX / 1310nm
RX single strand fiber, multimode (ST) [2 km/1.2 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05081314	05081311	05081312	05081315	05081316	05081318



S-110PP-S1ST20U - 10/100 Fast Ethernet Media and Rate Converter. with PoE+ (PoEP)
Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-BX 1310nm TX / 1550nm
RX single strand fiber, single mode (ST) [20 km/12.4 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05081284	05081281	05081282	05081285	05081286	05081288



S-110PP-S1ST20D - 10/100 Fast Ethernet Media and Rate Converter. with PoE+ (PoEP)
Power Sourcing. 10/100Base-TX (RJ-45) [100 m/328 ft.] to 100Base-BX 1550nm TX / 1310nm
RX single strand fiber, single mode (ST) [20 km/12.4 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05081294	05081291	05081292	05081295	05081296	05081298

Related Accessories

Accessories



DIN Rail Mounting Kit for 4 & 8 port IOLAN desktop models, all Stand-Alone Media Converters and all Stand-alone Ethernet Extenders. Two of these brackets are required for the 8 port STS8-D model.

04030840



Standalone media converter wall / rack mount bracket

05059999