S-1110 Media and Rate Converters

10/100/1000Base-T to 1000Base-X Conversion



- 10/100/1000 Copper to 1G Fiber Media Converters
- Connect 10/100 devices to Gigabit backbone
- Dual fiber ST/SC/LC or Single fiber SC Connectors
- Extend network distances up to 160km
- Advanced features - Smart Link Pass-Through, Fiber Fault Alert, Auto-MDIX and Loopback

S-1110 Media and Rate Converters transparently connect copper to multimode or single mode fiber. It also automatically detects if the copper port speed is 10Mbps, 100Mbps, or 1G and does a rate conversion to 1G if the fiber port speed is different. These 10/100/1000 Ethernet to Gigabit Fiber Converters provide an economical path to extend the distance of an existing network, the life of non-fiber based equipment, or the distance between two devices. **S-1110 Media Converters** are also available with support for **Power over Ethernet (PoE)** and **Extended Temperature ranges**.

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 **10/100/1000 Media Converters** the smart choice for IT professionals.

10/100/1000 Rate Converting to Fiber Media Converter Features

Auto-Negotiation (802.3u)

The media converter supports auto negotiation. The 1000Base-X fiber interface negotiates according to 802.3 clause 37. The 10/100/1000Base-T negotiates according to 802.3 clause 28 and 40. The 1000Base-X will link up with its partner after the highest common denominator (HCD) is reached and the copper has linked up with its partner. The 1000Base-X will continue to cycle through negotiation transmitting a remote fault of offline (provided this is enabled through the switch setting) until the copper is linked up and the HCDs match.

The media converter supports auto-negotiation of full duplex, half duplex, remote fault, full duplex pause, asymmetric pause and Auto MDI-X.

Auto-MDIX

Auto-MDIX (automatic medium-dependant interface crossover) detects the signaling on the copper ethernet interface to determine the type of cable connected (straight-through or crossover) and automatically configures the connection when enabled. The media converter can also correct for wires swapped within a pair.

The media converter will adjust for up to 120ns of delay skew between the 1000Base-T pairs.

Smart Link Pass-Through

When the Link Mode switch is placed into Smart Link Pass-Through mode, the copper ethernet port will reflect the state of the 1000Base-X media converter port. This feature can be used whether fiber auto-negotiation is enabled or disabled.

Fiber Fault Alert

With Fiber Fault Alert the state of the 1000Base-X receiver is passed to the 1000Base-X transmitter. This provides fault notification to the partner device attached to the 1000Base-X interface of the media converter. If the 1000Base-X transmitter is off as a result of this fault it will be turned on periodically to allow the condition to clear should the partner device on the 1000Base-X be using a similar technique. This eliminates the possibility of lockouts that occur with some media converters. Applies only when fiber auto-negotiation is disabled.

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 10/100/1000Base-T connection and 1000Base-X fiber connection.

Duplex

Full and half duplex operation supported.

Jumbo Packets

Transparent to jumbo packets up to 10KB.

VLAN

Transparent to VLAN tagged packets.

Remote Loopback

Capable of performing a loopback on the 1000Base-X fiber interface.

Not what you are looking for? View all Perle **product selector**.

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	6 - 30 vDC, unregulated (12 vDC Nominal)
Current	175 mA
Power Consumption	2.1 watts
Power Connector	5.5mm x 9.5mm x 2.1mm barrel socket

Power Adapter	
Universal AC/DC adapter	100-240v AC, regulated DC adapter included

Indicators	
Power / TST	This green LED is turned on when power is applied to the media converter. Otherwise it is off. The LED will blink when in Loopback test mode.
Fiber link on / Receive activity (LKF)	This green LED is operational only when power is applied. The LED is on when the 1000Base-X link is on and flashes with a 50% duty cycle when data is received.
Copper link on / Receive activity (LKC)	This green LED is operational only when power is applied. The LED is on when the 10/100/1000Base-T link is on and flashes with a 50% duty cycle when data is received.
Fiber Duplex (FDF)	This green LED is operational only when power is applied. The LED is on when the 10/100/1000Base-X link is operational in full duplex mode. The LED is off when in half duplex.

Copper Duplex (FDC)	This green LED is operational only when power is applied. The LED is on when the 10/100/1000Base-T link is operational in full duplex mode. The LED is off when in half duplex.
10/100/1000 Speed	This multi-color LED is operational only when power is applied. The LED is green when the speed of the copper ethernet port is running at 1000 Mbps. The LED is orange when the speed of the copper Ethernet port is running at 100 Mbps. The LED is off when in 10 Mbps.
Switches - accessible through a side opening in the chassis	
Auto-Negotiation (802.3u)	• *Enabled (Default)* - The media converter uses 802.3u Auto-negotiation on the 10/100/1000Base-T interface. It is set to advertise full duplex, half duplex, pause and remote fault capabilities. • *Disabled* - The media converter sets the port according to the position of the speed and duplex switches.
Link Mode	Link Mode provides a transparency to the state of the copper link allowing for simplified trouble shooting from the devices connected to the media converter. *Normal (Default — Up)* • With Fiber Auto Negotiation enabled when the copper link goes down the 1000Base-X link is brought down. The 1000Base-X link will advertise Remote Fault (Link Fault). • With Fiber Auto Negotiation disabled the state of the copper link has no effect on the 1000Base-X link. *Smart Link Pass Through (Down)* • With Fiber Auto Negotiation enabled the behavior is as follows. When the copper link goes down the 1000Base-X link is brought down. The 1000Base-X link will advertise Remote Fault (Link Fault). When Remote Fault (Link Fault) is received on the 1000Base-X interface the copper transmitter will be turned off. When the copper receiver is off the 1000Base-X transmitter will be turned off. When the 1000Base-X receiver goes off the copper transmitter will be turned off. • With Fiber Auto-Negotiation disabled the behavior is as follows. When the copper receiver is off the 1000Base-X transmitter will be turned off. When the 1000Base-X receiver goes off the copper transmitter will be turned off.

Fiber Fault Alert	The Fiber Fault Alert switch has meaning when Auto-Negotiation is disabled • *Enabled (Default - Up)* - When the 1000Base-X receiver is off the 1000Base-X transmitter is turned off. Periodically the 1000Base-X receiver will be turned on for a short period to allow the condition to clear if the 1000Base-X link partner is using a similar feature. • *Disabled (Down)*
Remote Loopback	The media converter can perform a loopback on the 1000Base-X fiber interface. • *Disabled (Default - Up)* • *Enabled* - The 1000Base-X receiver is looped to the 1000Base-X transmitter. The copper transmitter is taken off the interface.
Auto-MDIX (Internal Strap)	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. • *Enabled (Default)* - 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. • Disabled - 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.
Speed Copper	• 100 (Default) • 10
Duplex Copper	• Full (Default) • Half
Duplex Fiber	• Full (Default) • Half
Connectors	
10/100/1000Base-T	RJ45 connector • 2 pair CAT5, EIA/TIA 568A/B or better cable for 10/100. • 4 pair CAT5 UTP cable for Gigabit.

Magnetic Isolation	1.5kv
Filtering	
Filtering	1024 MAC Addresses
Frame Specifications	
Buffer	1000 Kbits frame buffer memory
Size	• Maximum frame size of 10,240 bytes -- Gigabit • Maximum frame size of 2048 bytes -- Fast Ethernet
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)	7.2
MTBF (Hours)*	• Without power adaptor: 598,000 Hours • With power adaptor: 334,000 Hours *Calculation model based on MIL-HDBK-217-FN2 @ 30°C*
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, 0.66 lbs

Dimensions	120 x 80 x 26 mm, 4.7 x 3.1 x 1.0 inches
Packaging	
Shipping Weight	0.55 kg, 1.2 lbs
Shipping Dimensions	170 x 280 x 70 mm, 6.7 x 10.2 x 2.8 inches
Regulatory Approvals	
Emissions	• FCC Part 15 Class A • CISPR 32 / EN 55032 • EN61000-3-2
Immunity	CISPR 35 / EN 55035
Electrical Safety	• 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	• 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-1110-M2SC05 - 10/100/1000 Gigabit Ethernet Stand-Alone Media and Rate Converter.
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-SX 850nm multimode (SC) [550 m/1804 ft.

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05050604	05050601	05050602	05050605	05050606	05050608



S-1110-M2LC05 - 10/100/1000 Gigabit Ethernet Stand-Alone Media and Rate Converter.
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-SX 850nm multimode (LC) [550 m/1804 ft.

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05050614	05050611	05050612	05050615	05050616	05050618



S-1110-S2LC10 - 10/100/1000 Gigabit Ethernet Stand-Alone Media and Rate Converter.
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-LX/LH 1310 nm single mode (LC) [10 km/6.2 miles] or multimode (LC) [550 m/1804 ft.] using a mode cond

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05050624	05050621	05050622	05050625	05050626	05050628



S-1110-S2SC10 - 10/100/1000 Gigabit Ethernet Stand-Alone Media and Rate Converter.
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-LX/LH 1310 nm single mode (SC) [10 km/6.2 miles] or multimode (SC) [550 m/1804 ft.] using a mode cond

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05050634	05050631	05050632	05050635	05050636	05050638



S-1110-S2LC40 - 10/100/1000 Gigabit Ethernet Stand-Alone Media and Rate Converter.
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-EX 1310 nm single mode (LC) [40 km/24.9 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05050644	05050641	05050642	05050645	05050646	05050648



S-1110-S2SC70 - 10/100/1000 Gigabit Ethernet Stand-Alone Media and Rate Converter.
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-ZX 1550 nm single mode (SC) [70 km/43.5 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05050654	05050651	05050652	05050655	05050656	05050658



S-1110-S2LC70 - 10/100/1000 Gigabit Ethernet Stand-Alone Media and Rate Converter.
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-ZX 1550 nm single mode (LC) [70 km/43.5 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05050664	05050661	05050662	05050665	05050666	05050668



S-1110-S1SC10U - 10/100/1000 Gigabit Ethernet Stand-Alone Media and Rate Converter.
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-BX 1310nm TX / 1490nm RX single strand single mode (SC) [10 km/6.2 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05050674	05050671	05050672	05050675	05050676	05050678



S-1110-S1SC10D - 10/100/1000 Gigabit Ethernet Stand-Alone Media and Rate Converter.
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-BX 1490nm TX / 1310nm RX single strand single mode (SC) [10 km/6.2 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05050684	05050681	05050682	05050685	05050686	05050688



S-1110-M2ST05 - 10/100/1000 Gigabit Ethernet Stand-Alone Media and Rate Converter.
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-SX 850nm multimode (ST) [550 m/1804 ft.]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05050714	05050711	05050712	05050715	05050716	05050718



S-1110-S2ST10 - 10/100/1000 Gigabit Ethernet Stand-Alone Media and Rate Converter.
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-LX/LH 1310 nm single mode (ST) [10 km/6.2 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05050724	05050721	05050722	05050725	05050726	05050728



S-1110-S2SC40 - 10/100/1000 Gigabit Ethernet Stand-Alone Media and Rate Converter.
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-EX 1310 nm single mode (SC) [40 km/24.9 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05050694	05050691	05050692	05050695	05050696	05050698



S-1110-S2ST40 - 10/100/1000 Gigabit Ethernet Stand-Alone Media and Rate Converter.
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-EX 1310 nm single mode (ST) [40 km/24.9 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05050734	05050731	05050732	05050735	05050736	05050738



S-1110-S2ST70 - 10/100/1000 Gigabit Ethernet Stand-Alone Media and Rate Converter.
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-ZX 1550 nm single mode (ST) [70 km/43.5 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05050744	05050741	05050742	05050745	05050746	05050748



S-1110-S2SC120 - 10/100/1000 Gigabit Ethernet Stand-Alone Media and Rate Converter.
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-EZX 1550 nm single mode (SC) [120 km/74.6 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05050764	05050761	05050762	05050765	05050766	05050768



S-1110-S2ST120 - 10/100/1000 Gigabit Ethernet Stand-Alone Media and Rate Converter.
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-EZX 1550 nm single mode (ST) [120 km/74.6 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05050754	05050751	05050752	05050755	05050756	05050758



S-1110-S2LC120 - 10/100/1000 Gigabit Ethernet Stand-Alone Media and Rate Converter.
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-EZX 1550 nm single mode (LC) [120 km/74.6 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05050774	05050771	05050772	05050775	05050776	05050778



S-1110-S2ST160 - 10/100/1000 Gigabit Ethernet Stand-Alone Media and Rate Converter.
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-ZX 1550 nm single mode (ST) [160 km/10(miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05050894	05050891	05050892	05050895	05050896	05050898



S-1110-S2SC160 - 10/100/1000 Gigabit Ethernet Stand-Alone Media and Rate Converter.
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-ZX 1550 nm single mode (SC) [160 km/10(miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05050914	05050911	05050912	05050915	05050916	05050918



S-1110-S2LC160 - 10/100/1000 Gigabit Ethernet Stand-Alone Media and Rate Converter.
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-ZX 1550 nm single mode (LC) [160 km/10(miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05050924	05050921	05050922	05050925	05050926	05050928



S-1110-S1SC20U - 10/100/1000 Gigabit Ethernet Stand-Alone Media and Rate Converter.
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-BX 1310nm TX / 1490nm RX single strand fiber, single mode (SC) [20 km/12.4 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05050934	05050931	05050932	05050935	05050936	05050938



S-1110-S1SC20D - 10/100/1000 Gigabit Ethernet Stand-Alone Media and Rate Converter.
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-BX 1490nm 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
05050944	05050941	05050942	05050945	05050946	05050948



S-1110-S1SC40U - 10/100/1000 Gigabit Ethernet Stand-Alone Media and Rate Converter.
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-BX 1310nm TX / 1490nm RX single strand fiber, single mode (SC) [40 km/25 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05050954	05050951	05050952	05050955	05050956	05050958



S-1110-S1SC40D - 10/100/1000 Gigabit Ethernet Stand-Alone Media and Rate Converter.
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-BX 1490nm TX / 1310nm RX single strand fiber, single mode (SC) [40 km/25 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05050964	05050961	05050962	05050965	05050966	05050968



S-1110-S1SC80U - 10/100/1000 Gigabit Ethernet Stand-Alone Media and Rate Converter.
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-BX 1510nm TX / 1590nm RX single strand fiber, single mode (SC) [80 km/50 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05050974	05050971	05050972	05050975	05050976	05050978



S-1110-S1SC80D - 10/100/1000 Gigabit Ethernet Stand-Alone Media and Rate Converter.
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-BX 1590nm TX / 1510nm RX single strand fiber, single mode (SC) [80 km/50 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05050984	05050981	05050982	05050985	05050986	05050988



S-1110-S1SC120U - 10/100/1000 Gigabit Ethernet Stand-Alone Media and Rate Converter.
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-BX 1510nm TX / 1590nm RX single strand fiber, single mode (SC) [120 km/75 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05050994	05050991	05050992	05050995	05050996	05050998



S-1110-S1SC120D - 10/100/1000 Gigabit Ethernet Stand-Alone Media and Rate Converter.
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-BX 1590nm TX / 1510nm RX single strand fiber, single mode (SC) [120 km/75 miles]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05050594	05050591	05050592	05050595	05050596	05050598



S-1110-M2SC2 - 10/100/1000 Gigabit Ethernet Stand-Alone Media and Rate Converter.
10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-LX 1310nm Extended multimode (SC) [2km /6562 ft.]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05040974	05040971	05040972	05040975	05040976	05040978



S-1110-M2ST2 - 10/100/1000 Gigabit Ethernet Stand-Alone Media and Rate Converter. 10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-LX 1310nm Extended multimode (ST) [2km /6562 ft.]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05040984	05040981	05040982	05040985	05040986	05040988



S-1110-M2LC2 - 10/100/1000 Gigabit Ethernet Stand-Alone Media and Rate Converter. 10/100/1000Base-T (RJ-45) [100 m/328 ft.] to 1000Base-LX 1310nm Extended multimode (LC) [2km /6562 ft.]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05040994	05040991	05040992	05040995	05040996	05040998



S-1110-M1SC05D - 10/100/1000 Gigabit Ethernet Media and Rate Converter. 10/100/1000BASE-T (RJ-45) [100 m/328 ft.] to 1000Base-BX 1550nm TX / 1310nm RX single strand fiber, multimode (SC) [550 m/1804 ft]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05040864	05040861	05040862	05040865	05040866	05040868



S-1110-M1SC05U - 10/100/1000 Gigabit Ethernet Media and Rate Converter. 10/100/1000BASE-T (RJ-45) [100 m/328 ft.] to 1000Base-BX 1310nm TX / 1550nm RX single strand fiber, multimode (SC) [550 m/1804 ft]

Power Cord & Part Number(s)

USA	UK	EU	SA	AUS	None
05040874	05040871	05040872	05040875	05040876	05040878

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

Power Supplies



UK 12VDC / 12W power adapter with Barrel connector for Perle Device Servers, Media Converters, and Ethernet Extenders

04031581



EU 12VDC / 12W power adapter with Barrel connector for Perle Device Servers, Media Converters, and Ethernet Extenders

04031582



USA 12VDC / 12W power adapter with Barrel connector for Perle Device Servers, Media Converters, and Ethernet Extenders

04031584



Australia 12VDC / 12W power adapter with Barrel connector for Perle Device Servers, Media Converters, and Ethernet Extenders

04031586