



The PoE (PSE) Media Converter allows the user to connect fiber to copper via power PoE+ devices. It features a UTP RJ45 port, and an empty SFP port which is customizable with the use of a swappable SFP for single or multimode applications. This media converter auto-detects 10, 100 and 1000mbps bandwidths, and each unit includes an AC power cord for internal power, and PSE controller to output power into CAT twisted pair cable to power devices.

FEATURES

- IEEE802.1q
- IEEE802.3z 1000Base-Tx/Fx standard
- IEEE802.3af
- PoE PSE compatible
- Supports flow control for full and half duplex operation
- Bandwidth control
- FCC Class A, CE

Standard Media Converter, ORDERING INFORMATION

(Y)(A)(BB)(CC)(D)

* Option for Power Over Ethernet, add "P" or for default power supply, or add "D" in front of part number.

Y - Select Transmission Speed

C	10/100
M	10/100/1000

(A) Select Fiber Type

F	Multimode
Y	Single-mode

(BB) Select Connector Type

31	SFP (LC)
61	SC
67	ST
70	SFP (empty slot)

(CC) Select Operating Wavelength

85	850nm (Multimode)
13	1300nm (Multimode)
10	1310nm (Single-mode/ Multimode)
15	1550nm (Single-mode)

(D) Select Distance

5	550M Multimode
2	2km Multimode
1	10km Single-mode
T	25km Single-mode
4	40km Single-mode
F	50km Single-mode
8	80km Single-mode

Technical Specifications

Standard Protocol	IEEE 802.1q IEEE 802.3z 1000Base-TX/FX standard IEEE 802.3 af Interface
Operation Mode	Full/Half duplex mode
Connectors	UTP:RJ-45 Fiber: SC/ST/LC AC-inlet connector
RJ-45 Interface	The transmission media adopts CAT5 twisted-pair with maximum length of 100 meter (330 feet).
Fiber Interface	SC/ST/LC fiber interface is a duplex mode type which includes two sets of optical transceiver: TX and RX. TX-RX / RX-TX fiber cross connection happens when the two sets of optical transceiver are connected to switch with fiber interface directly butting for single optical fiber transceiver.
Power Supply Interface	The AC power supply is connected to AC input jack of media converter through the attached AC power cable.
Environmental Parameters	Work Temperature, 0°C~50°C (32°F ~ 122°F) Storage Temperature, -40°C~70°C (-40°F ~ 158°F) Humidity, 5%~90% non-condensing
TP Cable	Cat5 UTP cable
Fiber Cable	Single-mode, 8.3/125, 8.7/125, 9/125, 10/125µm Multimode, 50/125, 62.5/125µm, 100/140µm
Dimensions (mm)	Internal power supply, In1555mm(L)*110mm(W)*40mm(H)
Warranty	Lifetime
Mean Time Between Failure	114,000 hours
TAA Compliant	Yes

DIP Switch Communication Settings

Switch 1	ON	Enable Link Fault Pass-Through
	OFF	Disable Link Fault Pass-Through
Switch 2	ON	Cut-Through(9K)
	OFF	Store and Forward
Switch 3	ON	Flow control enable
	OFF	Flow control disable
Switch 4	ON	FX Speed 100Mbps
	OFF	FX Speed 1000Mbps