



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, 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

<b>Standard Protocol</b>	IEEE 802.1q   IEEE 802.3z 1000Base-TX/FX standard   IEEE 802.3 af Interface
<b>Operation Mode</b>	Full/Half duplex mode
<b>Connectors</b>	UTP:RJ-45   Fiber: SC/ST/LC   AC-inlet connector
<b>RJ-45 Interface</b>	The transmission media adopts CAT5 twisted-pair with maximum length of 100 meter (330 feet).
<b>Fiber Interface</b>	SC/ST/LC fiber interface is a duplex mode type which includes two sets of optical transceiver: TX and RX.
<b>Power Supply Interface</b>	The AC power supply is connected to AC input jack of media converter through the attached AC power cable.
<b>Environmental Parameters</b>	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
<b>TP Cable</b>	Cat5 UTP cable
<b>Fiber Cable</b>	Single-mode, 8.3/125, 8.7/125, 9/125, 10/125μm Multimode, 50/125, 62.5/125μm, 100/140μm
<b>Dimensions (mm)</b>	95mm(L) x 71.5mm(W) x25.4mm(H)
<b>Warranty</b>	Lifetime
<b>Mean Time Between Failure</b>	114,000 hours
<b>TAA Compliant</b>	Yes

### DIP Switch Communication Settings

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