

## PoE(PSE) 10/100/1000Base-TX to 1000Base-FX Media Converter

10/100/1000Base-TX to 1000Base-FX media converter, which allows two types of network segment to be connected easily. Complied with IEEE802.3at or IEEE802.3af standard, the AC/DC powered PoE media converter is a Power Sourcing Equipment (PSE) which combines data transferred over a fiber optic link with 48V (or other voltage) power supply, providing power to IEEE802.3at or IEEE802.3af powered device (PD) over CAT5/CAT5e UTP cable (cable length up to 100meters / 330feet). The converter includes a single port PSE controller, which offers PD signature sensing and power monitoring features. Other features include over-current protection, LFP function, etc. The LFP (Link Fault Pass-through) allows the media converter to monitor both the fiber and copper RX port for loss of signal. In case of a loss of RX signal on one media port, the converter will automatically disable the TX signal to the other media port, thus passing through the link fault.

### Features

- 10/100/1000Base-TX UTP to 1000Base-FX fiber media conversion
- IEEE802.3at / IEEE802.3af PoE PSE compatible
- Built-in AC/DC power supply
- Over-current protection
- Choice of SC, BiDi or other connectors for multimode and singlemode
- DIP switch to set different configurations
- LFP (Link Fault Pass-through) support



### Technical Specifications

<b>Data Rates:</b>	
Network Ports	10/100/1000 Mbps (802.3 10Base-T/802.3u 100Base-T) 1000Mbps (100Base-FX)
<b>Input Power Requirements:</b>	
Input voltage	100 VAC to 240 VAC
Input frequency	47 Hz to 63 Hz
<b>Power over Ethernet Output (Pin Assignment and Polarity):</b>	
For IEEE802.3af standard:	4/5 (V+),7/8 (V-) (default) or 1/2(V+),3/6(V-) (optional)
For IEEE802.3at standard (30Watts maximum):	4/5 (V+),7/8 (V-) (default) or 1/2(V+),3/6(V-) (optional)
For IEEE802.3at standard (50Watts maximum):	1/2/4/5 (V+),3/6/7/8 (V-) (default)
Output Power	please refer to ordering information
Efficiency	75% min
Short circuit protection	auto recovery
Over current protection	auto recovery
<b>Environmental Conditions:</b>	
Operating temperature	0 °C to 50 °C
Cooling	free air convection
Storage temperature	-20 °C to +85 °C
Operating Humidity	90% max, non-condensing
<b>Mechanical Specifications:</b>	
Case Material	Iron
Case Color	Black
Net Weight	550g approx. / unit
Dimensions	110(W) x 40(H) x 140(L) (mm) (Do not include transceiver length)
<b>Connectors:</b>	
AC Inlet	IEC-J-4
LAN	Shielded RJ-45
Fiber	see ordering information



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