

10/100/1000M PoE Media Converter

1. Product Description

PoE Media Converters transparently connect copper to fiber while providing Power over Ethernet (PoE) to standards-based PoE and PoE+ compliant devices. We have 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).



2. Features

- Support auto negotiation of 10/100/1000Mbps and auto MDI/MDI-X for TP port
- Support auto full-duplex and half-duplex transmission mode for FX portD
- Support PoE AF or AT
- Supporting 10/100/1000Mbps store-and-forward and 1000Mbps cut-through transmission
- Extends fiber distance up to 2km for multi-mode fiber and 120km for single mode
- Easy-to-view LED indicators provide status to monitor network activity easily
- Low power consumption, stable mechanical construction and reliable performance

3. Specification

Parameter	Specifications
Access mode	10/100/1000Mbps
Standard	IEEE802.3 10Base-T Ethernet, IEEE802.3u 100Base-FX Fast Ethernet, IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-SX/LX Gigabit Ethernet, IEEE802.3x Flow Control
Wavelength	850nm/1310nm/1550nm
Transmission Distance	Dual-fiber Multi-mode: 550m; Dual-fiber single mode: 10/20/40/60/80/100/120km; Category-5 twisted pairs: 100m
Port	One RJ45 port: Connected to STP/UTP category-5 twisted pairs One Fiber port: SC/FC/ST/SFP
Conversion Mode	Store and Forward mode or Cut-Through mode
Flow control	Full duplex: flow control;

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	Half duplex: back pressure mode
BER (Bit error rate)	<1/10000000000
MTBF	100,000 hours
LED indicator	PWR(power), FX Link/ACT (fiber link/action), TP Link/ACT (twisted pair link/action), FDX (FX full duplex mode), POE, SD (optical link action)
Power supply	56V DC
Power consumption	<3.5W
Operating temperature	-10~55°C
Operating humidity	5%~90%
Storage temperature	-40~70°C
Storage humidity	5% ~ 90% (non-condensing)
Dimensions	26mm (H) x 70mm (W) x 95mm (D) External Power

Model No	Fiber Mode	Wavelength	Distance	Fiber Interface	Power Supply
OP-710-M85-05	MM	850nm	550m	SC/ST/FC	DC48V PoE AT 30W
OP-710-M31-2	MM	1310nm	2km	SC/ST/FC	DC48V PoE AT 30W
OP-710-S31-10	SM	1310nm	10km	SC/ST/FC	DC48V PoE AT 30W
OP-710-S31-20	SM	1310nm	20km	SC/ST/FC	DC48V PoE AT 30W
OP-710-S35-20	SM	1310/1550nm	20km	SC/ST/FC	DC48V PoE AT 30W
OP-710-S53-20	SM	1550/1310nm	20km	SC/ST/FC	DC48V PoE AT 30W
OP-710-SFP	10/100/1000M SFP open slot PoE media converter				