

Technical Specifications

Fiber-based Media Converter (1 SFP to 1 PoE+ RJ45)

Features at a Glance

- Convert signals from twisted pair to fiber and vice versa
- One SFP (fiber) port and one PoE+ RJ45 (twisted pair) port
- 10/100/1000M data rate
- 850nm/1310nm/1550nm supported wavelengths
- Single mode and multimode fiber compatible (SFP module dependent)
- SFP module sold separately
- Multimode max distance: 550m (1,805 ft.)
- Single mode max distance: 20km (12.4 miles)
- 0 degree to 60 degree C operating temperature
- 1.0" x 2.75" x 3.6" (26mm x 70mm x 93mm)
- 52V power supply (included)
- IEEE 802.3z & 802.3ab & 802.3af/at compliant
- MDI/MDIX auto-crossover
- Jumbo frame (64-9216 byte)
- Voltage monitor support
- Diagnostic LEDs
- Plug-and-play compliant



Media converters adapt fiber signals to a variety of different formats and/or cable types.

The *Fiber-based Media Converter* features one SFP port (SFP module sold separately) and one PoE+ RJ45 twisted pair port, effectively adapting twisted pair-based devices to fiber for longer transmission distances. The *Fiber-based Media Converter* supports multimode fiber when paired with a multimode SFP module and single mode fiber when paired with a single mode SFP module.

Two *Fiber-based Media Converter* media converters are required for most applications -- one for each end of the cable run.

Specifications	
Fiber Module Port	(1) SFP (small form-factor pluggable) connector port
Twisted Pair Port	(1) UTP (8p8c unshielded female) connector port
Power Port	Female coaxial barrel connector – 5.5mm O.D. x 2.5mm I.D.
SFP Compatibility	IEEE 802.3z/AB 1000Base-T/SX/LX/ZX
Link Support	IEEE 802.3X Full Duplex and Half Duplex with flow control MDI/MDI-X automatic switching
Jumbo Frame	Supported Jumbo frame (64 – 9216 byte)
PoE+ Compatibility	802.3af/at Power over Ethernet
Chassis and Environmental	
Enclosure	Painted Steel
Dimensions	1.0" x 2.75" x 3.6" (26mm x 70mm x 93mm)
Weight	0.4 lbs (181g)

Working Temperature	32 – 140 degrees F (0 – 60 degrees C)
Operating Humidity	5 – 90% non-condensing
Power Supply & Regulatory	
Output Voltage	52VDC Center Positive 1.25A
Input Voltage	100 ~ 240VAC, 50~60Hz, 2.0A
Efficiency	Level VI
Regulatory	CE, FCC, RoHS, WEE, UL-US, UL-C, CCC, JET, C-TICK, UL-DE/GS