

10/100Base-TX to 100Base-FX SMI Fast Ethernet Converter



The PLANET FT-807 is a 10/100Base-TX Shielded Twisted Pair (STP) to Fast Ethernet 100Base-FX fiber converter. It supports full-duplex operations at its fiber-optic interface in the form factor of SMI (Small Multimedia Interface) interface. The FT-807 auto-adapts to the highest level of performance supported by the device connected to the STP port.

The SMI (Small Multimedia Interface) is one kind of POF (Plastic Optical Fiber) interface that can suitable for low-cost and high-speed data transmission.

The SMI patch cord meets the IEEE 1394b specification that can transmit data at S200 (250Mbps) speed for 50 meters, the distance range of TP port is 100 meters. The FT-807 will make the new generation multimedia life more possible and easy installation.

KEY FEATURE

- Comply with IEEE 802.3u, 10/100Base-TX and 100Base-FX
- RJ-45 TP to POF (Plastic Optical Fiber) interface conversion
- IEEE 1394b SMI Patch Cord, up to 50-meter
- Low-Cost and High-Speed Data Transmission
- Compact Size and Easy Installation

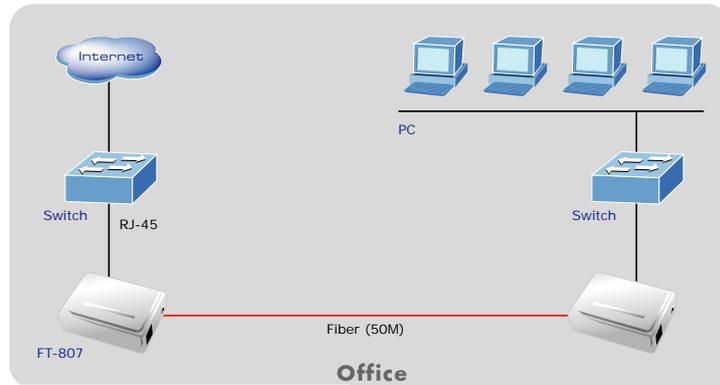
SPECIFICATION

Product **10/100Base-TX to 100Base-FX SMI Fast Ethernet Converter**

Model	FT-807
Standards	IEEE 802.3u, 10/100Base-TX and 100Base-FX
TP Connector	RJ-45 Port (Auto-MDI/MDI-X) Twisted Pair, EIA568
Fiber Connector	SMI POF Port (multi-mode), 650nm wavelength
Data Rate	10/100Mbps (TP) ; Auto-Negotiation for duplex mode 100Mbps (FX) ; full-duplex mode
TP Cable	4 pair Cat. 3 or 5 UTP, up to 100-meter
Fiber Cable	IEEE 1394b SMI Patch cord (0.98mm/1mm), up to 50-meter
LED indicators	PWR, TP, POF
Dimensions (W x D x H)	86 x 62 x 23 mm
Power Requirement	5V DC, 2A
Temperature	Operating: 0~50 degree C, Storage -40~70 Degree C
Humidity Operating	10% to 90%, Storage: 10% to 90% (Non-condensing)
Regulation Compliance	FCC Part 15 Class A, CE

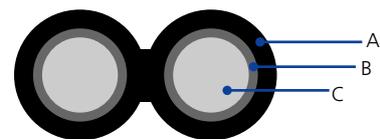
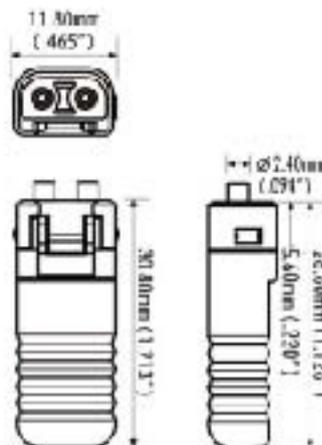
APPLICATIONS
Fiber-optic Networking for enterprise, and home

With high performance data transmit and easy installation, the FT-807 can building a network solution of FTTH (Fiber To The Home) and small office network environment from enterprise.


POF SMI type connector information

The FT-807 is using POF SMI type connector that is mostly being used for IEEE 1394b transmission. The followings show the basic information about POF SMI type connector.

The SMI connector will as like the figure left. You can check with your network device dealer or administrator for the availability of the cable and connector.



The POF Cable should be a dual wire cable with 0.98mm optic core with cladding diameter 1mm. Also with jacket in diameter: 2.2 mm.

The optic cable distance can reach 50 meters or above for a pair of FT-807 to FT-807 connection at 100Mbps.

ORDERING INFORMATION

FT-807	10/100Base-TX to 100Base-FX SMI Fast Ethernet Converter
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RELATED ACCESSORIES

CB-SMI-10	10-meter POF Cable w/SMI connector
CB-SMI-20	20-meter POF Cable w/SMI connector
CB-SMI-EXT	SMI extender