10/100/1000M Gigabit Ethernet Media Converter With One SFP Slot

User's Manual

Copyright Statement

FCC Warning

The 10/100/1000M Gigabit Ethernet Media Converter series have been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These standards are designed to provide reasonable protection against harmful interference when these devices are operated in a commercial environment. These devices generate, use, and can radiate radio frequency energy and may cause harmful interference to radio communications unless installed in accordance with this User's Guide. Operation of these devices in a residential area is likely to cause harmful interference which will make the user responsible for the appropriate remedial action at his / her own expense.

CE Mark Warning

These are Class A products. In a domestic environment these products may cause radio interference in which case the user will need to consider adequate preventative methods.

1. Packing list

The box should contain the following items:

- The Media Converter
- AC-DC Power Adapter (for external models) or Power Cord (for internal models)
- The User's Manual
- Warranty Card

Please notify your sales representative immediately if any items are missing or damaged.

2. Overview

The 10/100/1000M Gigabit Ethernet Media Converter series is designed to meet the massive needs for network deployment and able to extend a copper based Fast network via fiber cable to a maximum distance up to 100KM.

Our 10/100/1000M Gigabit Ethernet Media Converter series is fully compliant with IEEE802.3, IEEE802.3U, 10/100/1000Base-TX, 1000Base-FX, standards. It can be installed into a Standard Converter Chassis. The installation & operation procedures are simple & straightforward. Operation status can be locally monitored through a set of Diagnostic LED located in the front panel.

Features:

10/100/1000Base-TX to 1000Base-FX Converter
Standards : IEEE802.3, IEEE802.3U, 10/100/1000 Base-TX, 1000Base-FX
Interface: 1 x RJ-45 connector 1 x SFP slot
Flow Control : TEEE802.3x flow control for full duplex mode .Back-pressure flow control for half duplex model.
LED: Power , FX,FX-LINK/ACT,TDX/COL, 1000M,TX-LINK/ACT

3. Installation

- Attach fiber cable from the media converter to the fiber network. The fiber connections must be matched transmit socket to receive socket, the TX ,RX fiber cable must be paired at both ends .

- Attach a UTP cable from the 10/100/1000BASE-T network to the RJ-45 port on the media converter .

- Connect the power adapter to the media converter and check that the Power LED lights up. The TX-LINK/ACT and FX-LINK/ACT LEDs will light up when all the cable connections are satisfactory.
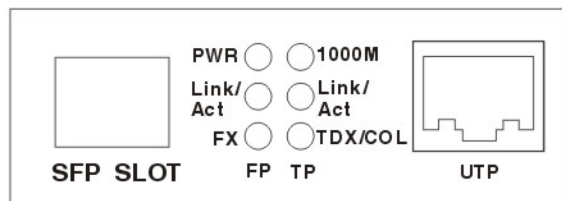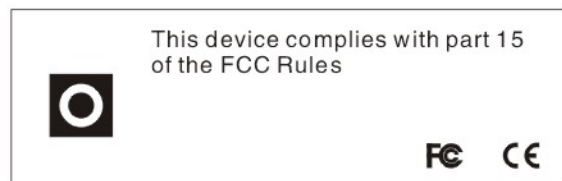
Table 1 : Front panel

This device complies with part 15 of the FCC Rules

Table 2 : Back panel

4. LED Description

LED	function	status	Describing
PWR	Power LED	ON	Power is ON.
		OFF	Power is Fail.
FX	Fiber port signal detect LED	ON	Laser is receiving.
		OFF	No laser input.
FX-LINK/ACT	Fiber port link/action status LED	ON	Fiber link is ok.
		Blink	Data is been received or transmitted
		OFF	Fiber link is fail.
1000M	UTP port speed LED	ON	1000M speed
		OFF	100M speed
TX-LINK/ACT	UTP port link/action status LED	ON	Link is ok.
		Blink	Data is been received or transmitted
		OFF	Link is fail.
FDX/COL	UTP port duplex LED	ON	Full duplex
		OFF	Half duplex

5. Technical Specifications

- Standard Protocol: IEEE802.3 10 Base-T standardIEEE 802.3u 100Base-TX/FX standard
- Connector:one RJ-45 connector, one SC/ST fiber connector .
- Operation mode: full duplex mode or half duplex mode
- Power supply parameter: outside: 5V DC 1A built-in: 110-265V AC 48VDC
- Environmental temperature: 0℃-60 ℃
- Relative humidity: 5%-90%
- TP cable: Cat5 UTP cable
- Fiber :50/125,62.5/125um multi-mode fiber ; 9/125,10/125um single-mode fiber.
- Dimensions:
  External power supply: 26mmx 71mm x 94mm
  Built-in power supply: 40mm x 110mm x 140mm