

Gigabit Ethernet Converter 1 Tx port & 1 SFP slot



Copyright Statement

This publication may not be reproduced as a whole or in part, in any way whatsoever unless prior consent has been obtained .

FCC Warning

This series converters 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:

- Gigabit ethernet converter 1 Tx port & 1 SFP slot
- AC-DC Power Adapter (for external power units)
- User's guide
- Warranty Card

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

2. Overview

This series converters are designed to meet the massive needs for Gigabit network deployment and able to extend a

copper based Gigabit network via fiber cable to a maximum distance up to 80KM.

This series converters are fully compliant with IEEE802.3z & 802.3ab 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

1000Base-T to 1000BASE-SX/LX Converter

Standard : IEEE 802.3z & 802.3ab

Interface: 1 x RJ-45 connector

1 x SFP Slot

MDI/MDIX Auto-Crossover supported

LED: Power , DUP,FP-LINK,RX,1000,TX

Plug-and-Play installation

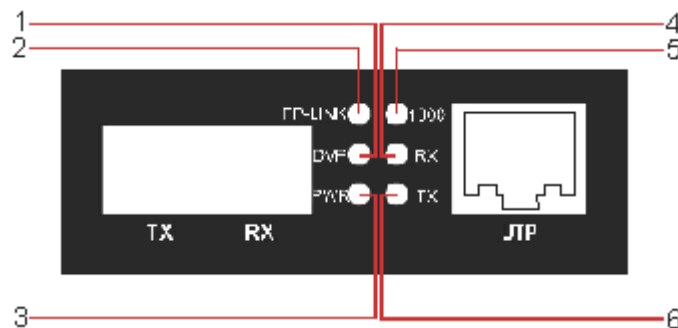
Support Link Alarm

Support Jumbo Frame (64-9216 Byte)

Support Voltage Monitor

3. Installation

- Attach fiber cable from the converter to the fiber network. The fiber connections must be matched – transmit socket to receive socket.
- Attach a UTP cable from the 1000BASE-T network to the RJ-45 port on the converter.
- Connect the power adapter to the converter and check that the Power LED lights up. The TP-Link and RX LEDs will light up when all the cable connections are satisfactory.



4. LED Description

LED	function	status	Description
DUP	UTP port duplex LED	ON	Full duplex
		OFF	Half duplex
FP-LINK	Fiber port link/action status LED	ON	Fiber link is ok.
		OFF	Fiber link is fail.
PWR	Power LED	ON	Power is ON.
		OFF	Power is Fail.
RX	UTP port link/action status LED	ON	The TP link in ok
		Blink	Data is been received or transmitted
		OFF	The TP link in fail
1000	UTP port speed LED	ON	1000M speed
		OFF	Power is fail
TX	UTP port link/action status LED	ON	The data send out

5. Technical Specifications

1000Base-T to 1000Base-SX/LX Media Converter With SFP Slot

- Standard Protocol: IEEE802.3 10 Base-T standard
IEEE 802.3u 100Base-TX/FX standard
 - Connector: one RJ-45 connector, one SFP slot
 - 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°C-60 °C
 - 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

Cautions:

1. This product is suitable for indoor application.
2. Put on the dust cover of fiber interface when not used.
3. It is forbidden to stare at the TX fiber-transfer end with naked eyes.