

Fast Ethernet Media Converter

User's Manual V3.1

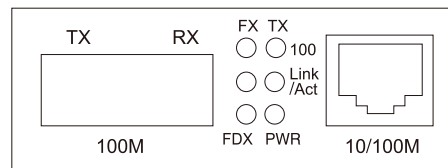
1 Product Overview

The 10/100Mbps Fast Ethernet converter media between a 10/100 Base-TX segment and a 100Base-FX segment. It is primarily designed for large, more higher speed/bandwidth demanding work groups that require expansion of the Fast Ethernet network.

2 Features

- Complies with 802.3u 10/100 Base-TX and 100 Base-FX standards
- Provide one fiber connector and one UTP Connector
- Auto-detection of half/full duplex transfer mode for TX port
- Auto-negotiation of 10/100Mbps rate and Auto-Crossover for TX port
- Provide switch configuration of half / full duplex transfer mode for the FX port
- Extend fiber distance up to 25KM for the Single Mode fiber
- Easy-to-view LED indicators provide status to monitor network activity easily

3 Structure and Interface



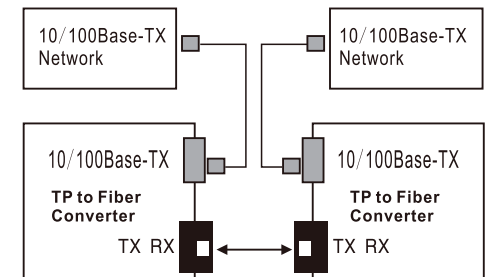
4 LED indicator

LED	Color	Function
FX Link	Green	Lit when fiber Connection is good Blinks when fiber data is presented
TX Link	Green	Lit when TP Connection is good Blinks when TP data is presented
FX100	Green	Lit when 100M working state
TX100	Green	Lit when 100M working state Blinks when 10M working state
FDX	Green	Lit when full-duplex mode is enabled Blinks when half-duplex mode is enabled
PWR	Green	Lit when power is available

5 Technical Specification

Standard	IEEE802.3, IEEE802.3u
Interface	Ethernet: RJ45 Fiber: 1x9(SC)
Data Rate	Ethernet: 10/100Mbps Fiber: 100Mbps
Distance	Ethernet: 100m Fiber: 25km
Duplex mode	Full-Duplex / Half-Duplex
Cable	Ethernet: Cat 5/5e/6 UTP cable Fiber: Single-mode: 9/125μm
Power Requirement	DC5-12V
Dimensions	94x70x26mm(Excluding the connector)
Weight	0.28kg
Temperature	-10°C~+70°C
Humidity	10%~90% (non-condensing)

6 Connection Diagram



Caution:

The WDM media converter is divided into two models A and B, when using, A and B must be used in pairs (i.e., one end with A, the other end needs to use B)

7 Fiber optical specifications

Connector type	SC
Fiber type	Single-mode
Wavelength	1310/1550nm
Typical Distance	25km