

Fiber Converter

1000 base TX to 1000 base FX Fiber SC/ST Converter (Multimode)

Overview

The 1000M Fiber 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 120km.

8100G Fiber Ethernet Media Converter series is fully compliant with IEEE802.3, IEEE802.3U, the installation & operation procedures are simple & straight forward. Operation status can be locally monitored through a set of Diagnostic LED lamps located in the front panel.

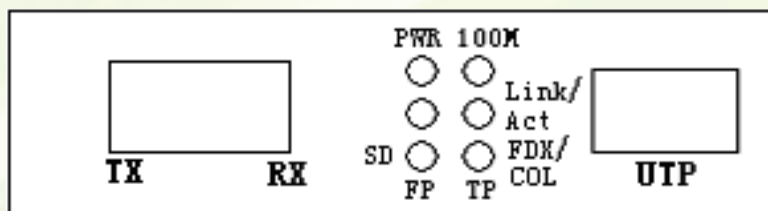


Features

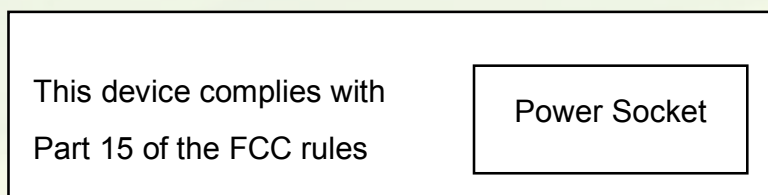
- 1000Base-T to 1000Base-X WDM Bidi Media Converter.
- Standards: IEEE802.3 & 802.3u
- Interface: 1 x RJ45 connector, 1 Fiber slot
- LED Indication: PWR, FX-LINK/ACT, FDX/COL, 1000M, TX-LINK/ACT
- Supports flow control for full and half duplex operation
- Supports link fault pass through function (LFP)
- Support auto MDI/MDI-X function for RJ45 ports
- Support Switch Setting function (Dip Switch)
- Passed maximum frame size 1522 bytes
- External Power: DC5V 2A Built-in: AC220V/DC-48V
- Low power consumption, low heat, reliable and stable performance, and long lifetime
- Single mode in dual fiber, multimode in dual fiber optional
- 20km, 40km, 60km, 80km, 120km distance optional
- 1000M media converter, 10/100/1000M media converter optional
- Comply FCC 15 Class A, CE, RoHS

Installation

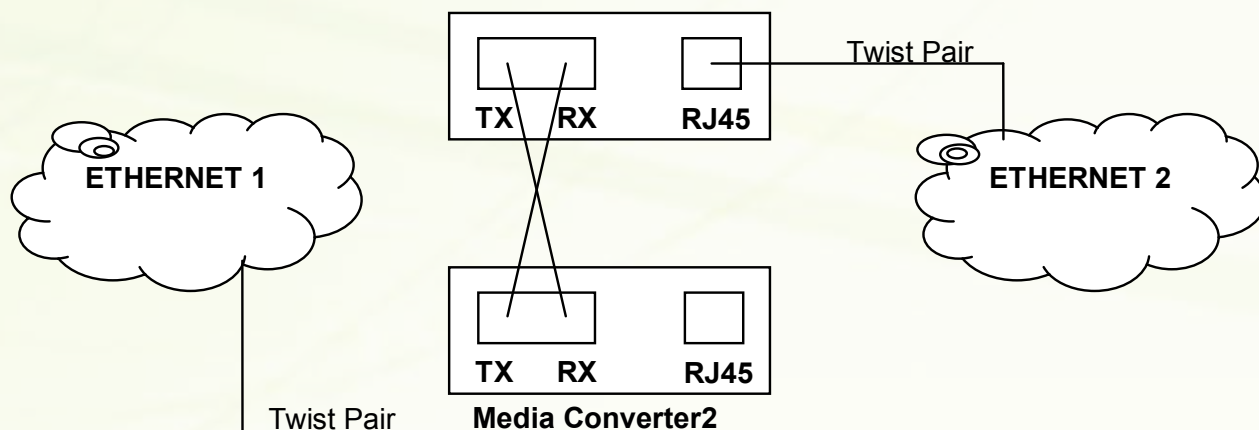
- Attach fiber cable from the media converter to the fiber network. The fiber connections must be matched- transmit socket to receive socket, the TX ,RX fiber cable must be paired at both ends .
- Attach a UTP cable from the 1000BASE-T network to the RJ-45 ports on the media converter .
- Connect the power adapter to the media converter and check that the Power LED lights up. The LINK/ACT LEDs will light up when all the cable connections are satisfactory.



Picture1.Front View



Picture2.Back View



LED FUNCTION DESCRIPTION

LED indicator lamp	Status	Explanation
FX Link/Act	On	Connection status display for fiber link. "ON" indicates that Fiber link is in correct connection.
	Blink	Active status display of fiber link "Blink" indicates packet goes through Fx end.
TX Link/Act	On	Connection status display for electric link. "ON" indicates that electric link is in correct connection.
	Blink	Active status display of fiber link "Blink" indicates packet goes through Tx end.
FDX/COL	On	Transceiver works in the full duplex mode.
	Off	Transceiver works in the half duplex mode.
PWR	On	Power is on and normal.
SD	On	Fiber signal is detected.
1000M	On	Transfer rate of electric interface is 1000Mbps.
	Off	Rate of electric interface is 100Mbps

PARAMETERS

Parameter	Specification
Access mode	1000Mbps
Standard	IEEE802.3& IEE802.3u
Transmission Distance	Multi-mode Dual-fiber 0.5km
	Single-mode Dual-fiber 20/40/60/80/120km
	Category-5 twisted pair 100m
Port	RJ-45 Port: Connecting with STP/UTP category 5 twisted pair
	Optical Port: SC ST FC LC
Conversion means	Media conversion, store-and-forward
Error Rate	$< 10^{-9}$
LED indicator	POWER(power supply) FX Link/ACT (fiber link/action) TX Link/ACT(RJ45 link/action) FX1000M (fiber rate 1000M)
Power External	DC5V 2A
Power Consumption	3.5W
Operating Temperature	0° C- 70° C
Operating Humidity	5%-90%
Dimensions	26mm (H) x 70mm (W) x 95mm (D) External Power Supply
	30mm (H)x110mm(W)x140mm(D) Build-in Power Supply