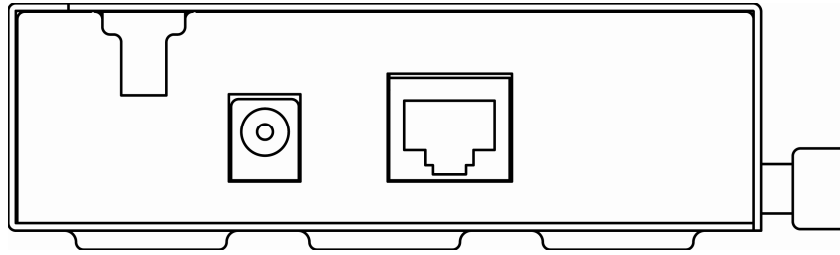


Gigabit Ethernet Media Converter

This quick start guide describes how to install and use the Gigabit Ethernet media converter. The converter introduced here provides one channel media conversion solution.

Physical Description

Product Overview



This Gigabit Ethernet media converter is a plug-and-play device. Connect the supplied AC to DC power adaptor to the receptacle on the front panel of the Gigabit Ethernet media converter, and then attach the plug into a standard AC outlet.

DIP Switch

No.	Down	Up	
1	Disable LFPT	Enable LFPT	LFPT: Link-Fault-Pass-Through function
2	Enable Auto-Negotiation for TX port	Enable Force mode for TX port	
3	TX port Force mode: Full-duplex	TX port Force mode: Half-duplex	
4	TX port Force mode: 100Mbps	TX port Force mode: 10Mbps	
5	Function reserved	Function reserved	
6	Function reserved	Function reserved	

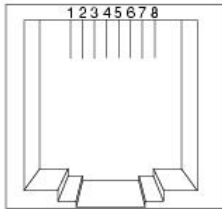
<Note> Power must be off/on after re-setting LFPT function.

The 10/100/1000Base-TX and 1000Base-SX/LX/BX Connectors

The 10/100/1000Base-TX Connection

The following lists the pinouts of 10/100/1000Base-TX port.

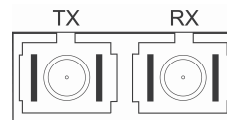
Pin	Label
1	TP0+
2	TP0-
3	TP1+
4	TP2+
5	TP2-
6	TP1-
7	TP3+
8	TP3-



The 1000Base-SX/LX Connections

The fiber port pinouts

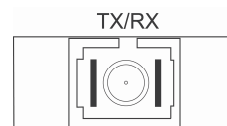
The Tx (transmit) port of device I is connected to the Rx (receive) port of device II, and the Rx (receive) port of device I to the Tx (transmit) port of device II.



The WDM 1000Base-BX Connections

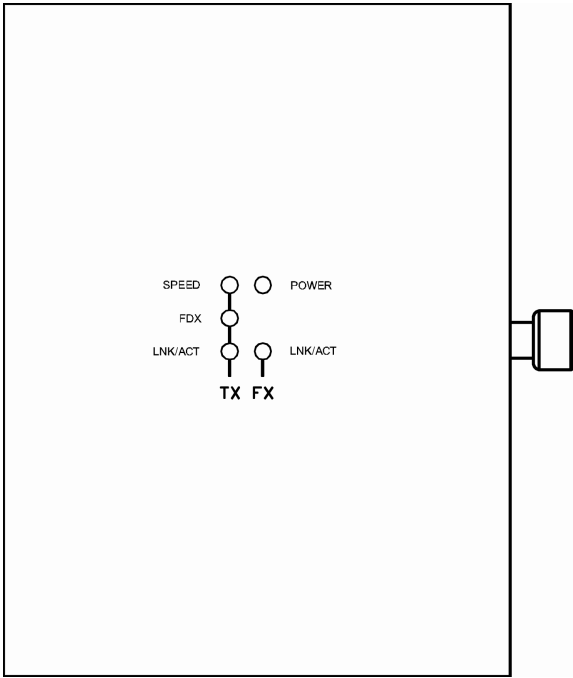
The fiber port pinouts

Only one optical fiber is required to transmit and receive data.



Gigabit Ethernet Media Converter

The Port Status LEDs



LEDs	State	Indication
POWER	Steady	Power on
	Off	Power off
SPEED (TX Port 10/100/1000 Mbps)	Steady	Green: Connection at the speed of 1000Mbps Amber: Connection at the speed of 100Mbps
	Off	Connection at the speed of 10Mbps
LNK/ACT (TX)	Steady	A valid network connection is established on TX port LNK stands for LINK
	Flashing	Transmitting or receiving Data ACT stands for ACTIVITY
	Off	No network connection is established
FDX	Steady	TX port at Full-duplex mode FDX stands for Full-duplex
	Off	At Half-duplex mode
LNK/ACT (FX)	Steady	A valid network connection is established on Fiber port LNK stands for LINK
	Flashing	Transmitting or receiving Data ACT stands for ACTIVITY
	Off	No network connection is established

Functional Description

- Complies with IEEE802.3 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3ab 1000Base-T, and IEEE802.3z 1000Base-SX/LX.
- Supports IEEE802.3x Flow control: Flow control for Full-duplex and Back pressure for Half-duplex.
- DIP switch configuration for "Link-Fault-Pass-Through".
- One fiber interface supports 1000Base-SX/LX/BX fiber transmission.
- Gigabit transmission supports 9K Bytes jumbo frame.
- 1000Mbps-Auto/Full-duplex, 10/100Mbps-Full/Half-duplex, Auto-Negotiation, Auto-MDI/MDIX.
- Full wire-speed forwarding rate.
- Built-in Fiber Tray, for ease of fiber cable management and installation.
- Operating voltage and Max. current consumption: 0.25A @ 12VDC. Power consumption: 3W Max.
- Power Supply: 12VDC external universal PSU.
- -5°C to 55°C (23°F to 131°F) operating temperature range.