EL1216 10/100BASE-TX to 100BASE-FX Media Converter
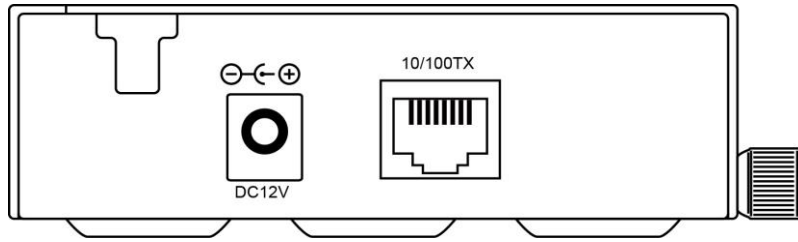
This quick start guide describes how to install and use the 10/100BASE-TX to 100BASE-FX Media Converter. The converter introduced here provides one channel media conversion solution .

Physical Description

Product Overview

This 10/100BASE-TX to 100BASE-FX 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 10/100BASE-TX to 100BASE-FX Media Converter, and then attach the plug into a standard AC outlet.

DIP Switch

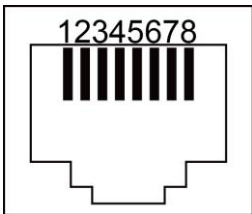| No.	OFF	ON
1		TX port Force mode: 100Mbps
2		TX port Force mode: 10Mbps
3		TX port Force mode: Full duplex mode
4		TX port Force mode: Half duplex mode
5	Active auto-negotiation for TX port	Provides mandatory speed for TX port
6	Active LPT (Link Pass Through)	Inactive LPT

Note: Power must be off/on after re-setting LPT function.

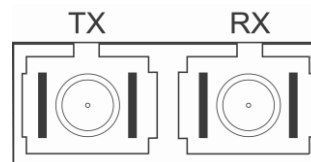# The 10/100Base-TX and 100Base-FX Connectors

The 10/100Base-TX Connection

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

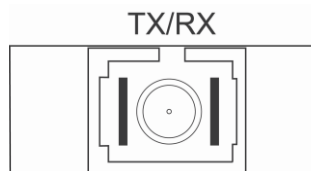| Pin	Label
1	TP0+
2	TP0-
3	TP1+
4	TP2+
5	TP2-
6	TP1-
7	TP3+
8	TP3-

The 100Base-FX Connection

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.
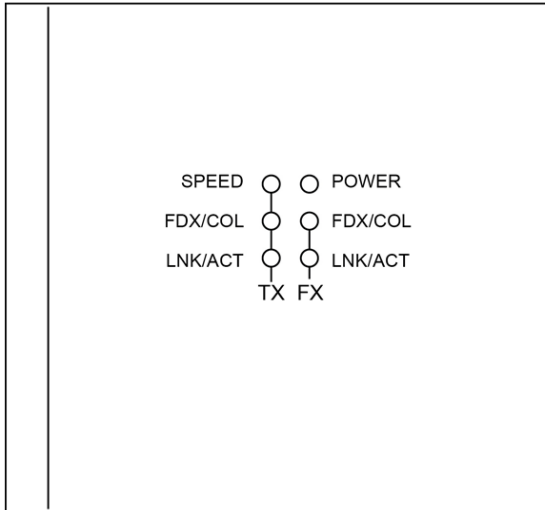

The WDM 100Base-FX Connection

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

The Port Status LEDs

LEDs	State	Indication
POWER	Steady	Power on
	Off	Power off
SPEED	Steady	Connection at the speed of 100Mbps
	Off	Connection at the speed of 10Mbps
LNK/ACT	Steady	A valid network connection is established LNK stands for LINK
	Flashing	Transmitting or receiving Data ACT stands for ACTIVITY
	Off	No network connection is established
FDX/COL	Steady	Connection at Full-duplex mode FDX stands for Full-duplex
	Flashing	Collisions occur COL stands for COLLISION
	Off	Connection at Half-duplex mode

Functional Description

- Complies with IEEE802.3 10BASE-T, 802.3u 100BASE-TX, 100BASE-FX
- Built-in Fiber Tray, for ease of fiber cable management and installation Auto-Negotiation
- Auto-MDI/MDIX
- Supports IEEE802.3x Flow controls: Flow control for full duplex and Back pressure for half duplex
- Supports Link-Fault-Pass-Through
- Full wire-speed forwarding rate
- Operating voltage and Max. current consumption: 0.25A @ 12VDC. Power consumption: 3W Max.
- Power Supply: 12VDC external universal PSU.
- 0℃ to 50℃ (32℉ to 122℉) operating temperature range.

Assembly and Setup

- Unpacking: Open the carton and unpack the items. Your package should include an EL1216 media converter and this Quick Install Guide. If items are missing or damaged, notify your EtherWAN representative. Download the full manual at: https://www.etherwan.com