

IEEE802.3 10Mbps Ethernet

TP-Fiber Converter(Fdx/Hdx)

User's Manual

(620-0041-000)

1. Overview

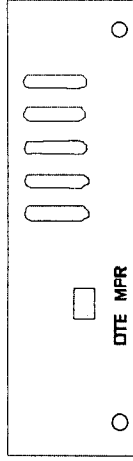
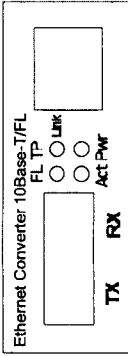
IEEE802.3 10Mbps Ethernet supports various type media for network connection such as 10Base-T and 10Base-FL. The converters can be used as a standalone unit or as a slide-in module to the 19" converter rack(up to 10 units) for use at a central wiring closet.

2. Checklist

Before you start installing the Converter, verify that the package contains the following:

- The Converter
- AC-DC Power Adapter
- This User's Manual

Please notify your sales representative immediately if any of the aforementioned items is missing or damaged.



3. LED Description

LED	Color	Function
FL Link	Green	Lit when Fiber connection is good
FL Act	Green	Blinks when any FL traffic is present
TP Link	Green	Lit when TP cable connection is good
Power	Green	Blinks when any FL traffic is present

4. Installing the Converter

For as a standalone unit:

- ⇒ Verify the AC-DC adapter conforms to your country AC power requirement and insert the power plug
- ⇒ Connect the media cable for network connection

For as a slide-in unit:

- ⇒ The slide-in Media Converter and Converter Rack should be supplied only from the same source, both Media Converter and Rack are built to match each other on dimensions, DC jack, DC receptacle and power safety
- ⇒ Turn off the 19" converter rack power
- ⇒ Ensure that there is no activity in the network
- ⇒ Locate +5VDC power jack on converter back, carefully slide in and plug to 19" rack +5VDC power receptacle
- ⇒ Connect the media cable for network connection
- ⇒ Turn on the converter rack power, the Power LED will light up

Fiber Port:	Attach the fiber cable. The Tx, Rx fiber cable must be paired at both ends
TP Port:	Attach TP Cat. 3 or 5 cable to TP port

Note:

- Use the straight-through cable.
Cable pin-outs for RJ-45 jack 1, 2, 3, 6 to 1, 2, 3, 6
- MPR(Default):** To a Hub or Repeater
DTE : To a workstation, or
NIC(Network Interface Card)

(DTE pin-outs are crossover on board already)
Configure the MPR-DTE slide switch on the side panel for cable connection to a Hub or NIC

5. Connecting to 10/100Mbps NWay Device

This TP-Fiber Converter does not support NWay 10/100 Auto-Negotiation protocol. It must force the remote NWay 10/100 partner to 10Mbps speed. Make sure that TP Link LED is ON when the remote NWay device is connected.

6. TP-Fiber Technical Specifications

- Standards : IEEE802.3 10Base-T/10Base-FL
- TP Port : RJ-45 jack with a slide switch for "MPR" or "DTE" selection

Fiber Port :

The 10Mbps Fiber Transceiver		
ST/SC multi-mode	820nm	Default
ST/LS single-mode	1300nm	Optional

- TP Cable: Cat. 3 or 5 cable up to 100m

Fiber Cable:

- 50/125, 62.5/125, or 100/140μm multi-mode
- 8.3/125, 8.7/125, 9/125 or 10/125μm single-mode

The 10Mbps Fiber Cable Initiatives		
Fiber Half/Full-duplex	Multi-mode:	2Km
Fiber Full-duplex	Single-mode:	10Km

Data Transfer Rate:

- 10Mbps at half-duplex
- 20Mbps for full-duplex

- LED Indicators : FL Link, FL Activity

- TP Link/Activity, Power

- Power Requirement : 1A@+5VDC

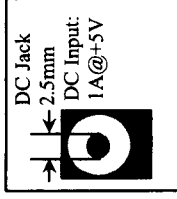
- Ambient Temperature : 0° to 50°C

- Humidity : 5% to 90%

- Dimensions : 26.2(H) × 70.3(W) × 94(D) mm

7. DC Jack and AC-DC Power Adapter

The DC jack's central post is 2.5mm wide, it conforms to the DC receptacle(2.5mm) on the 19-inch Converter Rack slot.



Keep the AC-DC adapter as spare parts when Media converter is installed in a 19-inch Media Converter Rack.

AC-DC power adapter

AC Input : 100~240VAC 50/60Hz

DC Output: 1A@+5VDC