

# **ET-508**

## TP-Fiber (Multi-mode)

### IEEE802.3 Ethernet Converter

#### **1.Overview**

IEEE802.3 10Mbps Ethernet Converter supports 10Base-T and 10Base-FL media for network connection. The media converter is used to convert 10Base-T electrical signal to 10Base-FL optical signal that allows two type segments connect easily and inexpensively. This converter can be used as a standalone unit or as a slide-in module to the 10/19" Media Chassis (up to 7/10/15 units) for use at a central wiring closet.

#### **2.Model Description**

<b>Model</b>	<b>Description</b>	<b>Connector Type</b>
ET-508	TP-FL(Hdx/Fdx )	RJ-45↔10Base-FL (ST-type, Multi-mode)

#### **3.Checklist**

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

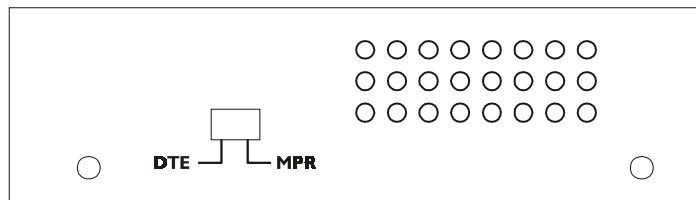
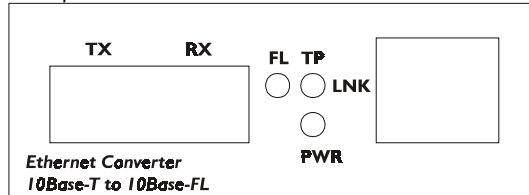
- The Converter
- AC-DC Power Adapter
- This User's Manual

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

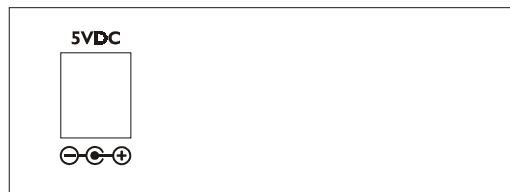


## 4. Panel Layout

10Mbps ET-508 Front and Side Panel



Power Input +5VDC Jack on Rear Panel



## 5. Installing the Converter

For as a standalone unit:

- ⇒ Verify the AC to 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 PLANET, both Media Converter and Rack are built to match each other at dimensions, DC jack, DC receptacle and power safety
- ⇒ Locate +5VDC power jack on converter back, carefully slide in and plug to 10/19" rack +5VDC power receptacle
- ⇒ Ensure that there is no activity in the network
- ⇒ Connect the media cable for network connection

## 6.Port connection

ET-508 support Half/Full-duplex mode operation, auto-negotiation in TP port that can double the bandwidth, please make sure the FL- end - device also support full-duplex and set to it as well.

Port	Connection method
Fiber Port:	Attach the fiber cable. The Tx, Rx fiber cable must be paired at both ends
TP Port:	Attach UTP Cat. 3 or 5 cable to TP port MPR: To a Hub or Switch DTE: To a workstation or NIC

**Note:** if you are going to connect the TP port to a 10/100Mbps Ethernet device It is strongly recommend to set the connecting mode to fixed 10Mbps full-duplex or 10Mbps half-duplex.

## 7.Duplex Mode Support

The ET-508 is a transparent / single-channel media converter between 10Base-T and 10Base-FL. The 10Base-T port can only work under 10Mbps with auto-negotiation or fixed 10Mbps full/half duplex mode. To connect its TP port with 10/100Mbps auto-negotiation device may failed in connection. After the TP port is link up then the 10Base-FL fiber port will link up accordingly.

**Note:** The correct work mode of ET-508 must connect TP port and fiber port properly under 10Mbps with auto-negotiation or fixed 10Mbps full/half duplex mode.

## 8.LED Description

ET-508 TP-Fiber Converter:

LED	Color	Function
FL Link/Act	Green	Lit : when Fiber connection is good Blink : when any FL traffic is present
TP Link/Act	Green	Lit : when TP cable connection is good Blink : when any TP traffic is present
Power	Green	Lit : when +5V power is coning up

## 9.ET-508 Technical Specifications

Models:	ET-508:Hdx/Fdx TP-Fiber Converter
Standards:	IEEE802.3 10Base-T/10Base-FL
TP Port:	RJ-45 jack with a slide switch for "DTE" or "MPR" selection
Fiber Port:	ST connector
TP Cable:	UTP Cable: Cat. 3 or 5 cable, up to 100m
Fiber Cable:	50/125, 62.5/125, or 100/140 $\mu$ m multi-mode, up to 2000m
Data Transfer Rate:	10Mbps/20Mbps Auto-Negotiation via TP port
LED Indicators:	Power, FL Link/Act, TP Link/Act
Power Requirement:	1A@+5VDC
Ambient Temperature:	0 ° to 50 ° C
Humidity:	5% to 90%
Dimensions :	26.2(H) x70.3(W) x90(D) mm

**Note:** Connecting to Router, Bridge, or Switch, Hub, please refer to the device's Technical Manual.

## 10.DC Power 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 10/19-inch Converter Rack slot.



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

AC-DC power adapter  
AC Input 100~240VAC 50/60Hz  
DC Output:1A@+5VDC



Part No:2010-000009-001