

Preface

This manual describes how to install and use the Ethernet media converter. The Converter introduced here provides one channel media conversion between 10/100BaseTX and 100BaseFX.

The Converter fully complies with IEEE 802.3 10BaseT and IEEE 802.3u 100BaseTX/FX standards.

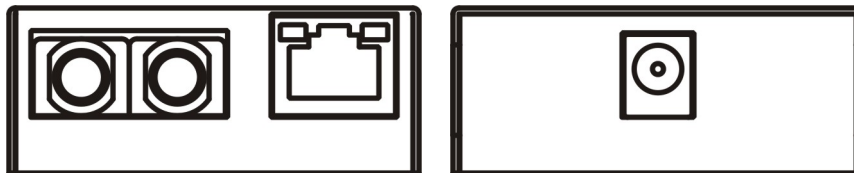
In this manual, you will find:

- Product overview
- Features of the media converter
- Illustrative LED functions
- Installation instructions
- Specifications

Introduction

The media converter provides one channel for media conversion between 10/100BaseTX and 100BaseFX. It can be used as a stand-alone device.

Product Overview



Product Features

- One-channel media conversion between 10/100BaseTX and 100BaseFX
- Fiber media allows:
 - Multimode fiber using SC or ST connector
 - Singlemode fiber using SC connector
- Auto negotiation of speed and duplex mode on TX port
- Auto-MDIX on TX port
- Supports Link Fault Signaling
- Store-and-forward mechanism
- Non-blocking full wire-speed forwarding rate
- Supports broadcast storm filtering
- Back-pressure & IEEE 802.3x compliant flow control
- PORT STATUS LEDs
- External AC to DC power adaptor
- Used as a stand-alone device

Packing List

When you unpack this product package, you will find the items listed below. Please inspect the contents, and report any apparent damage or missing items immediately to our authorized reseller.

- The Media Converter
- User's Manual
- AC to DC Power Adaptor

Ports

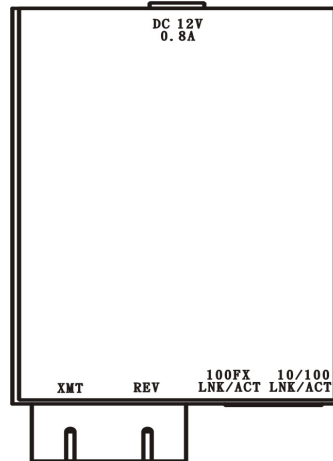
The Converter provides one TX port and one FX port. For the FX port, it provides options of multimode fiber using SC or ST connectors or singlemode fiber using SC connectors. For the TX port, it uses an RJ-45 connector and auto-senses the speed of 10/100 Mbps.

Front Panel & LEDs

LED Indicators:

The LED indicators give you instant feedback on status of the converter:

LEDs	State	Indication
TX LNK/ACT FX LNK/ACT	Steady	A valid network connection established LNK stands for LINK
	Flashing	Transmitting (TX) or receiving (RX) data ACT stands for ACTIVITY
	Off	Neither valid network connection established nor transmitting (TX)/receiving (RX) data



Installation

This chapter gives step-by-step installation instructions for the Converter.

Selecting a Site for the Equipment

As with any electric device, you should place the equipment where it will not be subjected to extreme temperatures, humidity, or electromagnetic interference. Specifically, the site you select should meet the following requirements:

- The ambient temperature should be between 32 to 122 degrees Fahrenheit (0 to 50 degrees Celsius).
- The relative humidity should be less than 90 percent, non-condensing.
- Surrounding electrical devices should not exceed the electromagnetic field (RFC) standards for IEC 801-3, Level 2 (3V/M) field strength.
- Make sure that the equipment receives adequate ventilation. Do not block the ventilation holes of the equipment.
- The power outlet should be within 6 feet (1.8 meters) of the product.

Connecting to Power

This Converter is a plug-and-play device.

Connect the supplied AC to DC power adaptor to the receptacle on the rear panel of the converter, and then attach the plug into a standard AC outlet with a voltage range from 100 to 240VAC.

Specifications:

Applicable Standards	IEEE 802.3 10BaseT IEEE 802.3u 100BaseTX & 100BaseFX
Fixed Ports	1 TX port, 1 FX port
Speed: 10BaseT	10 Mbps for half/full-duplex
100BaseTX/FX	100 Mbps for half/full-duplex
Switching Method	Store-and-Forward
Forwarding rate	14,880 / 148,800 pps for 10/100 Mbps
LED Indicators	Per Unit- (2 LEDs): TX LNK/ACT; FX LNK/ACT
Dimensions	2.15 x 3.16 x 0.87 in. W x D x H (54.6 x 80.3 x 22.1 mm)
Weight	5 ounces (0.14 kg)
Power	External power adaptor 12 Volts DC, 0.8 Amp
Power Consumption	9.6 Watts Max.
Operating Temperature	32°F ~ 122°F (0°C ~ 50°C)
Storage Temperature	-13°F ~ 158°F (-25°C ~ 70°C)
Humidity	10 ~ 90%, non-condensing
Emissions	FCC part 15 Class A, CE Mark