

Introduction

Congratulations on purchasing Edimax's ET-913 Series Media Converter. The ET-913 series convert the signals between two different transmission medium, allowing user a simple and cost-effective method to migrate between UTP cable and fiber optic cable.

FCC Warning

The ET-913 Series Media Converters have been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These standards are designed to provide reasonable protection against harmful interference when these devices are operated in a commercial environment. These devices generate, use, and can radiate radio frequency energy and may cause harmful interference to radio communications unless installed in accordance with this User's Guide. Operation of these devices in a residential area is likely to cause harmful interference which will make the user responsible for the appropriate remedial action at his / her own expense.

CE Mark Warning

These are Class B products. In a domestic environment these products may cause radio interference in which case the user will need to consider adequate preventative methods.

1. Checklist

The carton should contain the following items:

- ET-913 Series Media Converter
- AC-DC Power Adapter
- User's guide

Please notify your sales representative immediately if any items are missing or damaged.

2. Overview

ET-913 Series Media Converter is designed to meet the massive needs for Gigabit network deployment and able to extend a copper based Gigabit network via fiber cable to a maximum distance up to 60KM.

ET-913 Series Media Converter is fully compliant with IEEE802.3z & 802.3ab standards. It can be installed into a ET-910MCR Media Converter Rack Chassis. The installation & operation procedures are simple & straightforward. Operation status can be locally monitored through a set of Diagnostic LED located in the front panel.

Features

- 1000Base-T to 1000BASE-SX/LX Converter
- Standard : IEEE 802.3z & 802.3ab
- Interface: 1 * RJ-45 connector
1 * SC Duplex connector or
1 * SC Simplex connector (W2 type)
- MDI/MDIX Auto-Crossover supported
- LED: Power , FDX , TP Link, FO Link ,
TP ACT, FO ACT
- Plug-and-Play installation
- Support Link Alarm
- Support Jumbo Frame (64-9216 Byte)
- Support Voltage Monitor

3. Installation

- Attach fiber cable from the ET-913 Series Media Converter to the fiber network. The fiber connections must be matched – transmit socket to receive socket.
- Attach a UTP cable from the 1000BASE-T network to the RJ-45 port on the ET-913 Series Media Converter .
- Connect the power adapter to the ET-913 Series Media Converter and check that the Power LED lights up. The TX Link and FX Link LEDs will light up when all the cable connections are satisfactory.
- Dip-switch select :
Default set OFF from PIN 1 to PIN 4

Pin 1 Off/On	Always OFF	-
Pin 2 Off/On	Always OFF	-
Pin 3 Off/On	FX Force Mode	FX Auto-Negotiation
Pin 4 Off/On	Link Alarm Disable	Link Alarm Enable

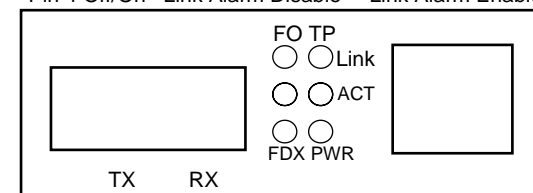


Fig. 1 ET-913 Series Media Converter Front Panel

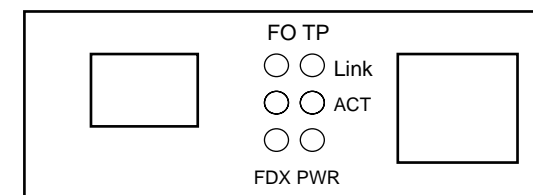


Fig. 2 ET-913 Series Media Converter Front Panel

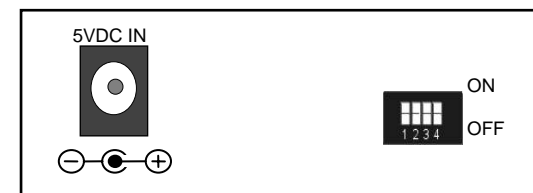


Fig. 3 ET-913 Series Media Converter Rear Panel

4. LED Description

LED	Color	Function
PWR	Green	Lit when power is available
TP/Link	Green	Lit when TP cable connection with remote device is good
FO/Link	Green	Lit when Fiber cable connection with remote device is good
TP ACT	Green	Lit when TP is activity
FO ACT	Green	Lit when Fiber is activity
FDX	Green	Lit when TP port Full Duplex Mode is enabled

5. Technical Specifications

Standards : IEEE 802.3z, 802.3ab

Interface: 1 X RJ45 connector
1 X SC Duplex connector or
1 X SC Simplex connector (W2)

Operation LED: Power, FDX,
TP Link, FO Link, TP ACT, FO ACT

Power: I/P AC 100-240V
O/P DC 5V, 1.6A

Power Consumption: 5W

Weight: 300g (Net Weight)

Dimensions: 26 X 71 X 97 mm

Temperature : Operating: 0 ~ 50 °C
Storage: -20 ~ 60 °C

Humidity: 5% ~ 90% RH

Emission: Electrical: UL, CSA
EMI: FCC Class A, CE

Media

TP EIA/TIA-568 Cat 5, 100M
Fiber 50/125, 62.5/125um multimode fiber
9/125, 10/125um single-mode fiber

Ordering Information,

Multi-mode

ET-913MSC: SC/850nm/550m

Single-mode

ET-913SSC1: SC/1310nm/10Km
ET-913SSC2: SC/1310nm/20Km
ET-913SSC3: SC/1310nm/30Km
ET-913SSC6: SC/1550nm DFB/60Km



Media Converter-G

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1000Base-T To 1000Base-SX/LX Media Converter

ET- 913 Series

ET-913MSC
ET-913SSC1
ET-913SSC2
ET-913SSC3
ET-913SSC6

User's Guide

V 1.0

