



ET-912 Series

Media Converter

10/100BaseTX To 100Base-FX Media Converter

Best media conversion solutions for network connectivity

Edimax's full series of Media Converter are designed to meet the needs for massive optical fiber network, provide the whole Ethernet / Fast Ethernet network implementation.

Migrating between copper and fiber-based Medium

ET-912 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. It can transmit signals up to 2km (multimode) and 30/40/60/80/100km (single-mode) in fiber medium, allowing users to extend network.

Comply with IEEE Standards

ET-912 series are fully compliant with IEEE 802.3 10Base-T and 802.3u 100Base-TX, 100Base-FX standards. The device comes with one RJ-45 port to connect to a 10/100Base-TX device such as workstation or switch and one fiber connection to connect a 100Base-FX device.

Built in Switching ASIC

ET-912 series have turned the function more like a 2 ports switch than a traditional converter. User can get all switching benefits such as frames checking and filtering.

Feature LED and Fiber link alarm

User could monitor the device through Feature LED. In addition, Fiber Link Alarm could allow user to monitor and maintain their critical fiber link more effectively.

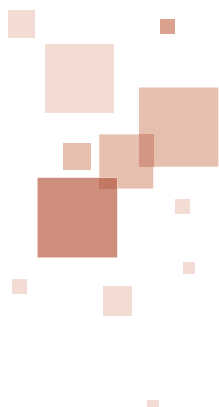
Unique voltage supervisor

Built in voltage supervisor IC will automatically reset all chipsets in converter as power voltage drop below 2.9V, this action can make sure fiber port and TP port work normally when thunder storm or power unstable occurring cause the power electricity suddenly down in an instant time.

Plug-and-Play Installation

Simply to plug the TP and fiber port to the device having the media convertibility.





Features

- Converts 10/100Base-TX to 100Base-FX. ·
- Extended distances up to 2km (Multi-mode application) or 30/40/60/80/100km (Single-mode application).
- Comply with IEEE 802.3 10BaseT and 802.3u 100Base-TX, FX standard.
- Store and Forward switching mechanism.
- Auto-Negotiation or Manual mode setting of Speed and Duplex mode.
- MDI/MDIX Auto-Crossover supported.
- LED Indication (Power, FDX, TX 100, TX Link/ACT, FX 100, FX Link/ACT)
- Fiber Link Alarm.
- Voltage supervisor function.

Order Information

Model	Optical Fiber Description
ET-912MSC	10/100BaseTX To FX Media Converter (MM/SC/1310nm-2km)
ET-912MST	10/100BaseTX To FX Media Converter (MM/ST/1310nm-2km)
ET-912SSC3	10/100BaseTX To FX Media Converter (SM/SC/1310nm-30km)
ET-912SSC4	10/100BaseTX To FX Media Converter (SM/SC/1310nm-40km)
ET-912SSC6	10/100BaseTX To FX Media Converter (SM/SC/1310nm-60km)
ET-912SSC8	10/100BaseTX To FX Media Converter (SM/SC/1310nm-80km)
ET-912SSCA	10/100BaseTX To FX Media Converter (SM/SC/1550nm DFB-100km)

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Specification

Product	Media Converter
Standards	IEEE 802.3 & IEEE 802.3u
Switching Mechanism	Store & Forward
MAC table	1K Entries
Forward & Filter Rate (64 Bytes)	14,800 pps (10Base-T) 148,800 pps (100Base-TX)
LED	Power, FDX, TP 100, TP Link/Act, Fiber 100, Fiber Link/Act
Power	DC 5V, 1.6A
Power Consumption	5W
Weight	0.6 Kg
Dimensions	26 X 71 X 94mm
Temperature	Operating: 0 ~ 50 °C, Storage: -20 ~ 60 °C
Humidity	5% ~ 90% RH
UTP	Cat. 5 UTP cable
Fiber	50/125, 62.5/125, or 100/140µm (multimode) 8.3/125, 8.7/125, 9/125 or 10/125µm single-mode

