

Model ERM14 100BaseTX to 100BaseFX Auto Negotiating Media Converter



EtherCom ERM14 100BaseTX to 100BaseFX auto-negotiating Media Converter card for ERM21C chassis has been designed to allow the network designer to add fiber segments as needed.

Features & Benefits

- Converts 100BaseTX to 100BaseFX and vice-versa.
- Allow for the introduction of a fiber segment to: greatly increase segment length, eliminate electro-magnetic interference, and offers protection from lightning.
- Multimode configuration standard, the optional single mode can increase fiber segment lengths from 2 Km to 50 Km.
- MDI/MDIX crossover switch on 100BaseTX side of converter.
- Compact rugged steel faceplate.
- Auto Negotiation
- Designed & manufactured in the USA.

Product Description

The ERM14 100BaseTX to 100BaseFX media converter, allows 100BaseTX specifications to be used over fiber cable.

Designed to meet the need to integrate the Fast Ethernet performance with the benefits of fiber segments, the ERM14 100BaseTX to 100BaseFX media converter complies with IEEE 802.3u standard.

ERM14 generates fast link pulses to allow the link partner to auto-negotiate to full duplex on the copper segment.

A complement of five LEDs display power for the unit plus link and receive on each segment.

Unlike other manufactures who require that you purchase two different media converters to run either half or full duplex, EtherCom model ERM14 has user selectable switch to force the 100FX speeds.

The 100BaseTX side of the unit features a MDI/MDIX crossover switch that dispenses with the any need for specially configured cables.

Technical Specifications - ERM14

Network Standards	Ethernet IEEE 802.3u
Speed	100 Mbps
Power Requirements	5Vdc supplied from ERM21C chassis.
LEDs	Total 5: 1 for power & 2 for each port displaying Link & Receive.
100BaseFX Multimode	Wavelength: 1300nm Optical Output Power: Min. -19dBm, Max. -14dBm Optical Input Power: Min. -30dBm, Max. -14dBm SC or ST Connector
100BaseFX Single mode	Wavelength: 1300nm Optical Output Power: Min. -15dBm, Max. -8dBm Optical Input Power: Min. -34dBm, Max. -8dBm SC Connector
Weight	0.5lbs (0.25 kg)
Dimensions	3.3" x 2.1" x 0.75" (85 mm x 52.35 mm x 19.2 mm)
Environmental	Operating Temperature: 14 to 131F (-10 to 55 C) Storage Temperature: -4 to 140F (-20 to 60 C) Relative Humidity: 5% to 90% (non-condensing)
Connectors	1 Fully Shielded RJ45 Connector, choice of SC or ST Fiber Connector.
Cabling	UTP Category 5, maximum cable distance 100 meters. Fiber, maximum cable distance 2 Km multimode, 35 Km single mode
Environmental & Safety	EMI FCC Class A & CE
Warranty	5 years

Ordering Information:

ERM14-SC	Multimode 100BaseTX to 100BaseFX Converter with SC Connector
ERM14-ST	Multimode 100BaseTX to 100BaseFX Converter with ST Connector
ERM14-SM	Single mode 100BaseTX to 100BaseFX Converter (only with SC Connector)

Ordering Hotline & Technical Support - TEL: (510) 440 - 0242 info@ethercom.com



"The Connectivity Connection"

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