

EFM12N 100BaseTX to 100BaseFX Media Converter



Overview

Model EFM12N, 100BaseTX to 100BaseFX media converter, is an exceptionally small stand alone unit, designed to allow the network designer to add fiber segments as needed.

Features & Benefits

Converts 100BaseTX to 100BaseFX and vice-versa.
Allows 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 switch on 100BaseTX side of converter.
Compact rugged steel enclosure.

Description

EFM12N, 100BaseTX to 100BaseFX media converter, allows 100BaseTX specifications to be used over fiber cable.
Designed to meet the needs of today's network planners to marry the Fast Ethernet performance with the benefits of fiber segments, The EFM12N media converter complies with the 100BaseTX 802.3u standard.
A complement of 6 LEDs display power for the unit plus link and receive on each segment. A wall mount 12 VDC power supply is supplied with the unit with 110- 240 Vac input.
The 100BaseTX side of the unit features a

Half duplex/full duplex.
Designed & manufactured in the USA.

MDI/MDIX crossover switch that dispenses with the
any need for specially configured cables.

Technical Specifications

> Network Standards	Ethernet IEEE 802.3u
> Speed	100 Mbps
> 100BaseFX Multimode	Wavelength: 1300nm Optical Output Power: Min. -19dBm, Max. -14dBm Optical Input Power: Min. -30dBm, Max. -14dBm SC Connector
> 100BaseFX Single mode	Wavelength: 1300nm Optical Output Power: Min. -15dBm, Max. -8dBm Optical Input Power: Min. -34dBm, Max. -8dBm SC Connector
> Power Requirements	Input Voltage: 110- 240 Vac wall mount power supply Output Voltage: 12V DC 1.0 amp.
> LEDs	Total 6: 1 for power & 2 for each port displaying Link & Receive, and Error..
> Weight	1 lbs. (0.5 kg) including power supply.
> Dimensions	3.3"x 2.1" x0.7" (12.95 cm x 5.8 cm x 1.52 cm)
> Environmental	Operating Temperature: 32 to 122F (0 to 50 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. External Power Module Connector.
> Cabling	UTP Category 5, maximum cable distance 100 meters. Fiber, maximum cable distance 2 Km multimode, 50 Km single mode
> Regulatory and Safty Approvals	EMI FCC Class A, CE
> Warranty	5 years

Ordering Information

EFM12N-SC	Multimode 100BaseTX to 100BaseFX Converter with SC Connector
EFM12N-ST	Multimode 100BaseTX to 100BaseFX Converter with ST Connector
EFM12N-SM	Single mode 100BaseTX to 100BaseFX Converter (only with SC Connector)

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