

Small Sized Ethernet Fiber Media Converter EM-0102-TE, BiDi, 20km



EM-0102-TE- 10/100Base -TX/FX Media Converter complies with IEEE802.3 and IEEE 802.3u Standards. EM-0102-TE enables network managers to connect 10 Mbps and 100 Mbps twisted pair network segments and active equipment to fiber optic cabling more cost-effectively than ever. WDM Technology- single fiber saves the installation cost of expensive fiber cable. Both a media and data rate converter, EM-0102-TE features 10/100 auto-negotiation on the twisted pair ports while the fiber port operates at 100 Mbps. EM-0102-TE media converters are ideal for any premises FTTx, LAN-to-LAN or LAN-to-WAN fiber networking applications.

1. KEY FEATURES

- Complies with IEEE802.3 and IEEE802.3u 10/100Base-TX and 100Base-FX
- 10/100Mbps and full/half duplex automatically configure in TP ports
- MDI/MDI-X Auto Negotiation
- Max transmit packet(s):1552bytes
- WDM Technology- Saves the installation cost of expensive fiber cable
- Built in a 10/100base-tx transceiver
- Built in 100base-fx SC port
- Led display for link/activity

2. TECHNICAL SPECIFICATION

Standard: 802.3 10B-T, 802.3u 100b-Tx&100b-Fx, 802.3x, 802.1.p

Wavelength: BiDi TX1310nm/RX1550nm; TX1550nm/RX1310nm

Fiber Port Distance: 20km

Fiber Cable: 8.3/125, 8.7/125, 9/125 or 10/125 single-mode

Connectors: RJ-45 Jack and SC connector

TP Cable: Cat.5 UTP Cable: 100m

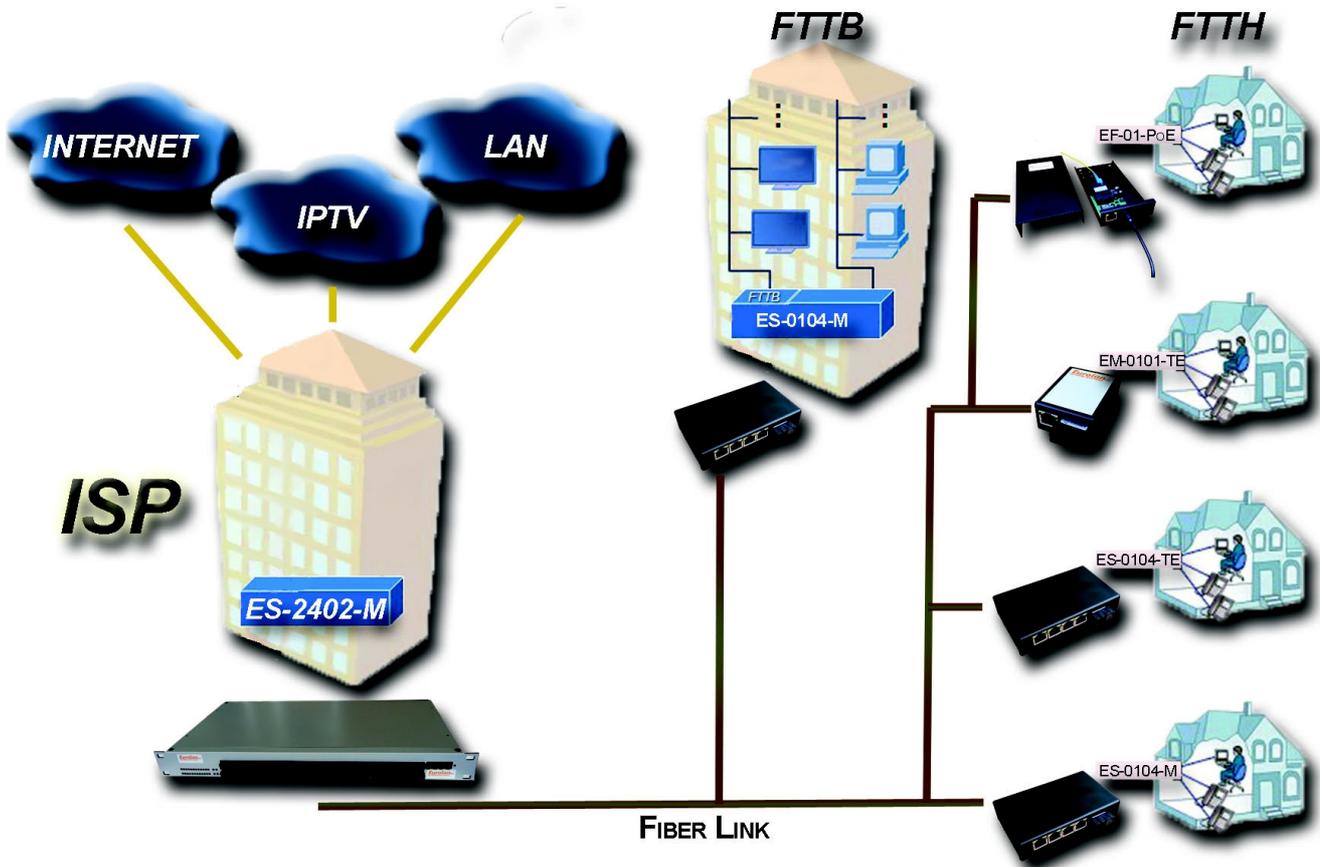
Power Supply: 5 – 18 VDC (low power consumption allows powering from computer USB)

Power Consumption: MAX 150mA@12V

Operating temperature: 0 to 60C

Storage temperature : -20 to 80C

3. APPLICATION



4. ORDERING INFORMATION

There are available two options regarding the fiber port wavelengths:

1. EM-0102-TE TX1550/RX1310
2. EM-0102-TE TX1310/RX1550

4. COVERED STANDARDS

EM-0101-TE has been designed according to the following standards:

1. EN-60950-1:2006- Information technology equipment – Safety – Part 1: General Requirements
 EN-60950-1:2006/A1- Information technology equipment – Safety – Part 1: General Requirements
 EN-60950-1:2006/A2:2013 - Information technology equipment – Safety – Part 1: General Requirements E
2. EN-50561-1:2013
3. EN-41003 – Particular safety requirements for equipment to be connected to telecommunication networks and/or a cable distribution system

And therefor wears the CE marking accordingly.

