Small Sized Ethernet Fiber Media Converter EM-0101-TE, BiDi, 20km
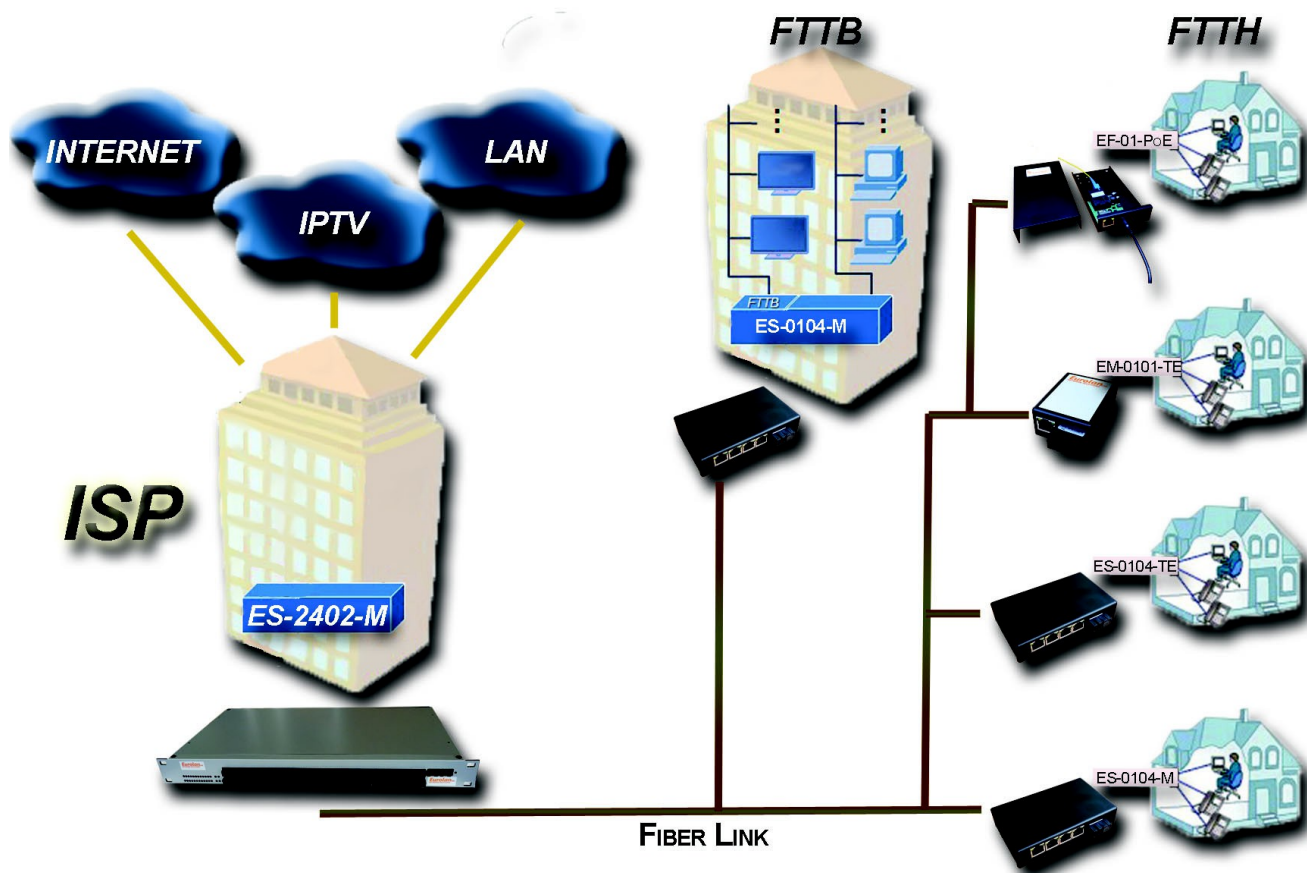
EM-0101-TE- 10/100Base -TX/FX fiber media converter complies with IEEE802.3 and IEEE 802.3u standards. EM-0101-TE enables network managers to connect 10 Mbps and 100 Mbps twisted pair network segments and active equipment to fiber optic cabling more cost-effectively than ever. WDM Technology- single fiber saves the installation cost of expensive fiber cable. Both a media and data rate converter, EM-0101-TE features 10/100 auto-negotiation on the twisted pair port while the fiber port operates at 100 Mbps. EM-0101-TE media converters are ideal for any premises FTTx, LAN-to-LAN or LAN-to-WAN fiber networking applications.

1. TECHNICAL SPECIFICATION

Standards	IEEE 802.3 10BaseT IEEE 802.3u 100BaseTX
Interface	1 * 10/100 RJ-45 Ethernet port 1* SC, SM port
Wavelength	TX1310nm/RX1550nm TX1550nm/RX1310nm
Max. fiber length	20km
Data Transfer Rate	Network speed: 10/100Mbps 10Mbps: Full/Half duplex 100Mbps: Full/Half duplex
LED Indicators	Per Port: Link/Act Per Unit: Power
Power Consuption	2 Watts (Max)
Power Supply	External power adapter DC 5V to 16V
Environment	Operating Temperature: 0°C~45°C Operating Humidity : 10%~90% (Non-Condensing)
Dimensions	62mm(L) x 49mm(W) x 26mm(H)

2. APLICATION

3. ORDERING INFORMATION

There are available two options regarding the fiber port wavelengths:

1. EM-0101-TE TX1550/RX1310
2. EM-0101-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.

Rev. 1.3
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