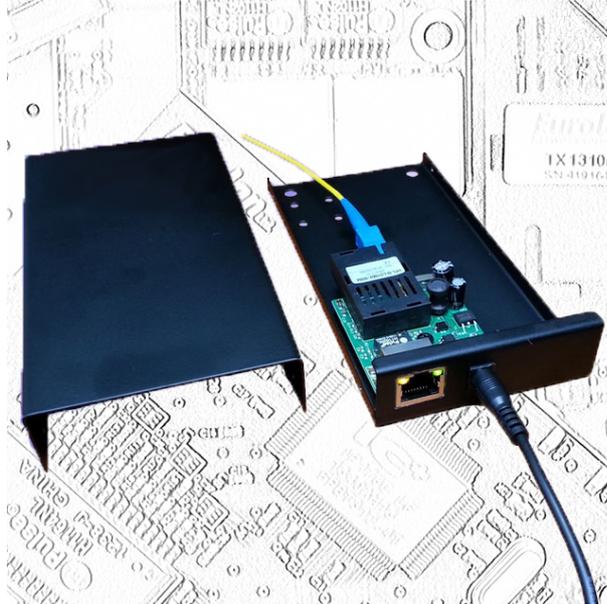


## **PoE Media Converter EF-01-PoE, BiDi, 20km**



**EF-01-PoE**- 10/100Base -TX/FX Media Converter complies with IEEE802.3 and IEEE 802.3u Standards. EF-01-PoE 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, EF-01-PoE features 10/100 auto-negotiation on the twisted pair port while the fiber port operates at 100 Mbps. EF-01-PoE media converters are ideal for any premises FTTx, LAN-to-LAN or LAN-to-WAN fiber networking applications. It has the ability of being powered over the unused twisted pairs with 5 to 24VDC. It is available in a metal case designed in such a way that it has enough room for the splice.

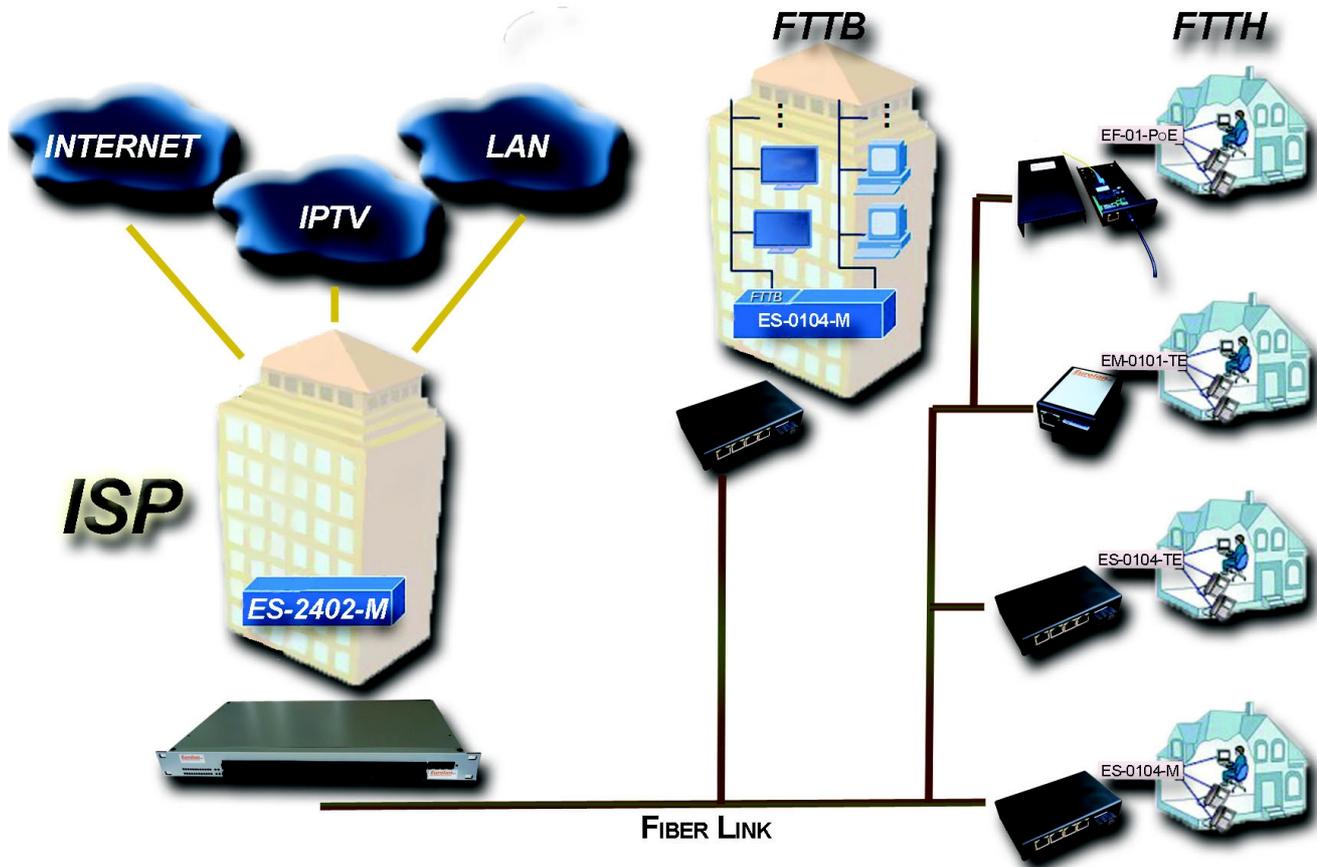
### **1. KEY FEATURES**

- Complies with IEEE802.3 and IEEE802.3u 10/100Base-TX and 100Base-FX
- 10/100Mbps and full/half duplex automatically configure in TP port
- 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
- Modified cut-through frame forwarding for low latency
- Pure converter mode data forwarding for extreme low latency
- Flow control for full and half duplex operation
- 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 10/125single-mode  
Connectors: RJ-45 Jack and SC connector  
TP Cable: Cat.5 UTP Cable: 100m (/wPoE)  
Power Supply: 5 – 24 VDC (low power consumption allows powering from computer USB)  
Power Consumption: MAX 150mA@12V  
Operating temperature: 0 to 60C  
Storage temperature : -20 to 70C

### 3. APPLICATION



### 4. ORDERING INFORMATION

There are available two options regarding the fiber port wavelengths:

1. EF-01- PoE TX1550/RX1310
2. EF-01- PoE TX1310/RX1550

Rev. 1.2

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