

## **Fiber Optical Switch ES-0104-TE**

**BIDI TX1310/RX1550  
TX1550/RX1310**



**ES-0104-TE**- 10/100Base -TX/FX Optical Switch complies with IEEE802.3 and IEEE 802.3u Standards. ES-0104-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, ES-0104-TE features 10/100 auto-negotiation on the twisted pair ports while the fiber port operates at 100 Mbps. ES-0104-TE switches are ideal for any premises FTTH, 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 port
- MDI/MDI-X Auto Negotiation
- Max transmit packet(s):152bytes
- 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
- Built in 128kb ram for data buffer
- 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: 4x RJ-45 Jack and 1 x SC connector

TP Cable: Cat.5 UTP Cable: 100m

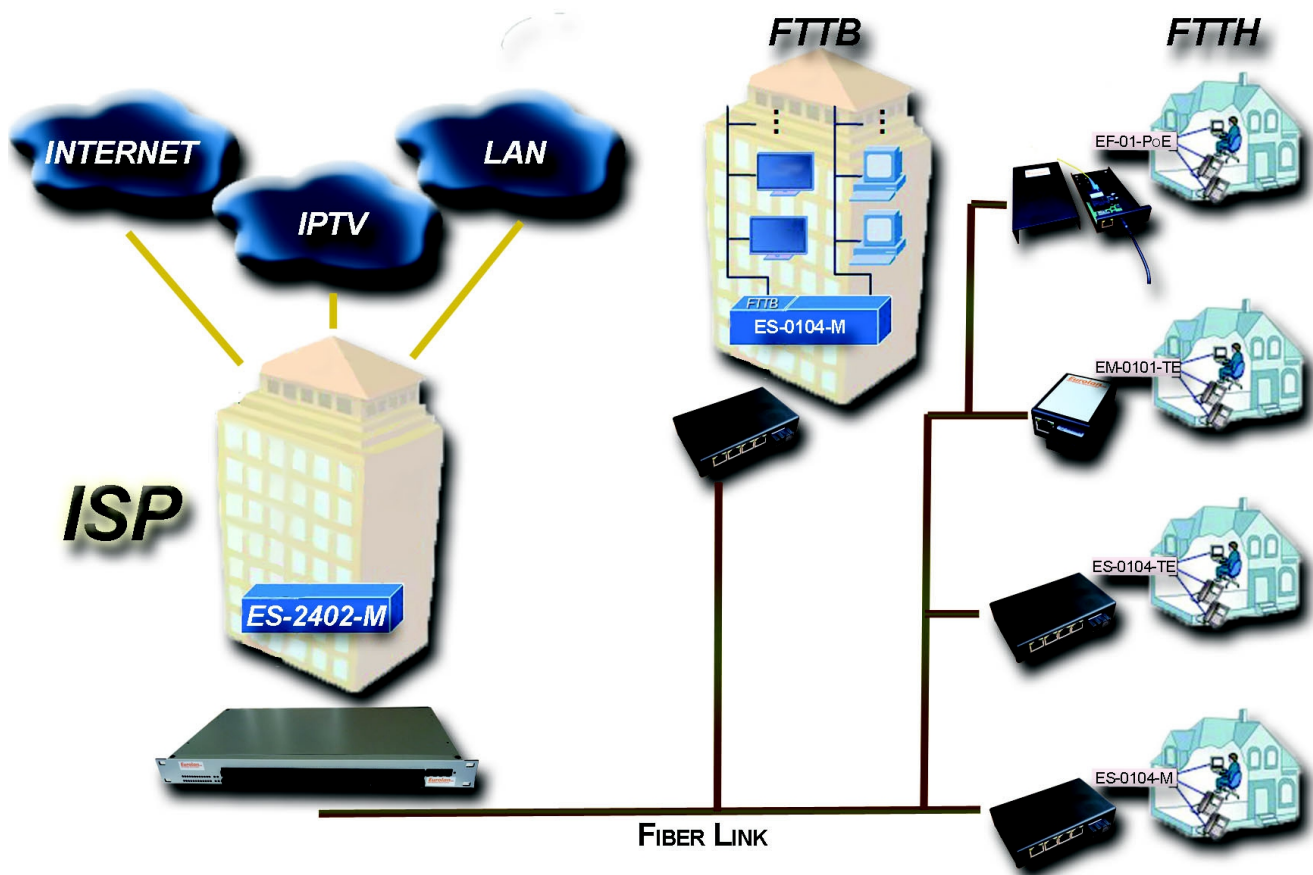
Power Supply: 7VDC – 24VDC

Power Consumption: MAX 200mA@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. ES-0104-TE TX1550/RX1310
2. ES-0104-TE TX1310/RX1550

Port-based VLAN is active by default.