



4 Channel E1/T1, Order wire Plus 100M Ethernet Multiplexer FOM04

FOM04 is a standalone 4xE1/T1 + Fast Ethernet Fiber Multiplexer with 1+1 fiber redundancy. FOM04 provides E1/T1 transmissions transparently along with wire-speed 100Mbps Fast Ethernet simultaneously. The fiber optics utilize industry standard SFP technology that allows a flexible use of Multimode or Single mode lines and enables the support of different wavelengths and distances. The use of bi-directional SFPs maximizes the utilization of the fiber optic line and results in saving line costs. With SNMP and Web-based management in the FMUX20, the Network administrator can monitor, configure and control the activity of each card in the chassis.

Features

- Occupies two card slots
- 4 channels unframed E1/T1
- 10/100Base-TX Ethernet
- Auto MDI/MDIX
- Auto-Negotiation or Force mode
- Supports flow control
- Supports 9K jumbo packets
- Supports Link fault pass through (LFP)
- One clear channel RS232 up to 250Kbps(Async)
- 1+1 fiber protection, less than 50ms
- Supports Digital Diagnostics Monitoring Interface (DDMI)
- AIS on signal loss on E1/T1 and fiber port
- Loopback test on E1/T1, RS232, fiber ports
- Supports Dying Gasp to detect remote power off
- Supports local or In-band remote management
- Supports Order wire Ear / Microphone port.
- Supports On-Line F/W upgrade

E1/T1 ports

Framing: Unframed (transparent)
 Bit Rate: E1:2.048 Mb/s , T1: 1.544Mb/s
 Line Code: E1:AMI/HDB3, T1: AMI/B8ZS
 Line Impedance:
 E1: Unbalanced 75 ohms (BNC)
 E1: Balanced 120 ohms (RJ-45)
 T1: Balanced 120 ohms (RJ-45)
 Receiver sensitivity: Short haul
 "Pulse" Amplitude:
 Nominal 2.37V +/-10% for 75 ohms
 Nominal 3.00V +/-10% for 120 ohms
 Nom
 "Zero" Amplitude: +/-0.3V
 Internal Timing: +/-30 ppm
 Jitter Performance: According to ITU-T G.823
 Performance monitoring:
 According to ITU-T G.821

Standard: ITU-T G.703, G.704, G.706 and G.732

Interface Connectors: RJ-45, Wire wrap, BNC

RRLB (Request Remote Loop Back)

Test Loops:

LLB (Local Loop Back)

NELB (Near End Loop Back)

RLB (Remote Loop Back)

Ethernet

Interface Type: 10/100Base-TX

Connector: 4xRJ-45

Standard: IEEE 802.3, 802.3u

Duplex modes: full/half

Test: Loop back test

Indication

FX1 Link, FX2 link , E1/T1 Mode/Link/Loopback test , Order wire phone indicator , LAN Link/Speed.

Power Input

AC, DC Option

Dimensions

155 x 88 x 23mm (D x W x H)

Operating Temperature

0~50°C (Operating) , -10~20°C (Storage)

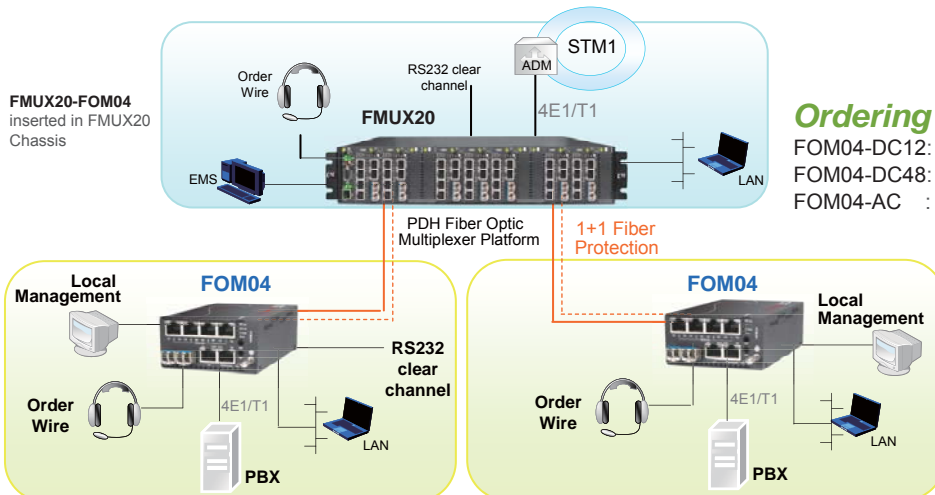
Humidity

10~90% non-condensing

Certifications

CE, FCC, RoHS

Managed 4E1/T1 + Fast Ethernet Fiber Optical Multiplexer



Ordering Information

FOM04-DC12: PDH/Ethernet MUX with AC to DC adapter

FOM04-DC48: PDH/Ethernet MUX with 48VDC

FOM04-AC : PDH/Ethernet MUX with 100~240VAC