

NEW



FMUX04A

4E1/T1 + 4x GE Fiber Multiplexer

FMUX04A is a fixed design, PDH multiplexer, with 4x E1/T1 plus 4x 10/100/1000Base-T Ethernet switch that provides simultaneous multi-service through dual (1+1) fiber. The fiber optic line is based on 1.25Gbps SFP technology that allows the flexible use of Multimode or Single mode optics and enables support for different wavelengths and distances. The use of bi-directional SFPs maximizes the utilization of fiber optic line and results in saving fiber line costs. The multiplexer can be equipped with optional AC and DC power supplies for redundant operation. With SNMP and Web-based management in the FMUX04A, the administrator can monitor, configure and control both the local and remote device.

Features

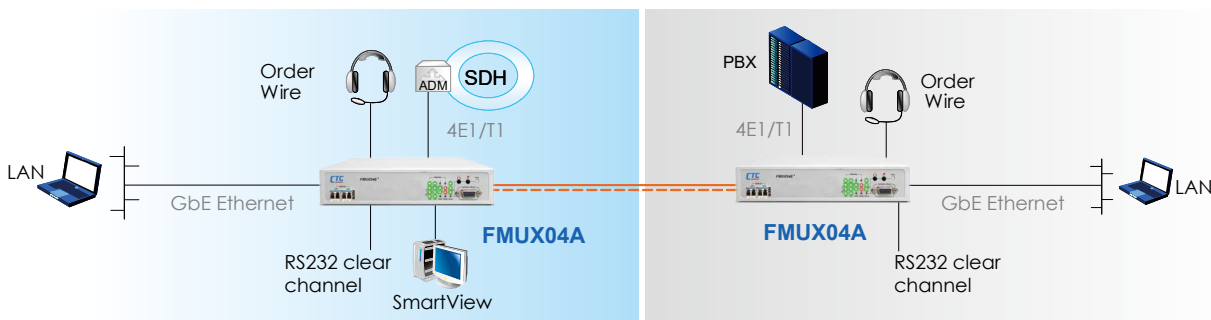
- 4 channels unframed E1/T1
- 4x 10/100/1000Base-TX Ethernet ports
- Auto MDI/MDIX
- Auto-Negotiation or Force mode
- Supports flow control
- RS-232 port for system console
- One alarm output port, one Order Wire port
- Port based VLAN, tag based VLAN & bandwidth control
- 2 plug-in SFP slot for optical SFP module
- Forward 9K byte packets on Ethernet port
- 1+1 fiber protection, less than 50ms
- One clear channel RS232 up to 250Kbps(Async)
- Supports Digital Diagnostics Monitoring Interface (DDMI)
- AIS on signal loss on E1/T1 and fiber port
- Loopback test on E1/T1, RS-232, fiber ports
- Supports Dying Gasp
- Telnet and web based remote configuration
- SNMP management
- Supports local or remote In-band management
- Supports On-Line F/W upgrade (local or remote) by the SNMP manager

Specifications

E1/T1	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 Jitter Performance: According to ITU-T G.823 Standard: ITU-T G.644, G.703, G.704, G.706 and G.732 Interface Connectors: RJ-45, BNC Test Loops: LLB (Local Loop Back) RLB (Remote Loop Back) RRLB (Request Remote Loop Back)	Optical Interface	Optical Wavelength: 1310nm, 1550nm, WDM Tx1310/Rx1550nm (Type A), WDM Tx1550/Rx1310nm (Type B)
Optical Interface	Bandwidth in optical Line: 1000 Mbps Optical Connector: LC (SFP module) Distance: 20/40/80 Km	Ethernet	Interface Type: 100/1000Base-T Connector: 4x RJ-45 Standard: IEEE 802.3, 802.3u, 802.3ab Duplex modes: full/half
		Indication	FX1 Link, FX2 link , E1/T1 Mode/Link/Loopback test, Order wire phone indicator , LAN Link/Speed
		Power Input	AC : 100~240VAC, DC : 18-75 VDC
		Dimensions	248 x 215 x 43mm (D x W x H)
		Operating	0 ~ 50°C (Operating)
		Temperature	-10 ~ 20°C (Storage)
		Humidity	10 ~ 90% non-condensing
		Certifications	CE, FCC, RoHS compliant
		MTBF	75,000 hrs

Application

4E1/T1+GbE over fiber to p connection Application



Ordering Information

Model Name	Description
FMUX04A-AC	Standalone FOM with built-in AC Power
FMUX04A-DC	Standalone FOM with built-in DC Power
FMUX04A-AD	Standalone FOM with built-in AD(AC+DC) Power

Note: SNMP option only required in one unit of paired link