

1-port E1/T1+100M Ethernet Fiber Multiplexer

FRM220-FOM01

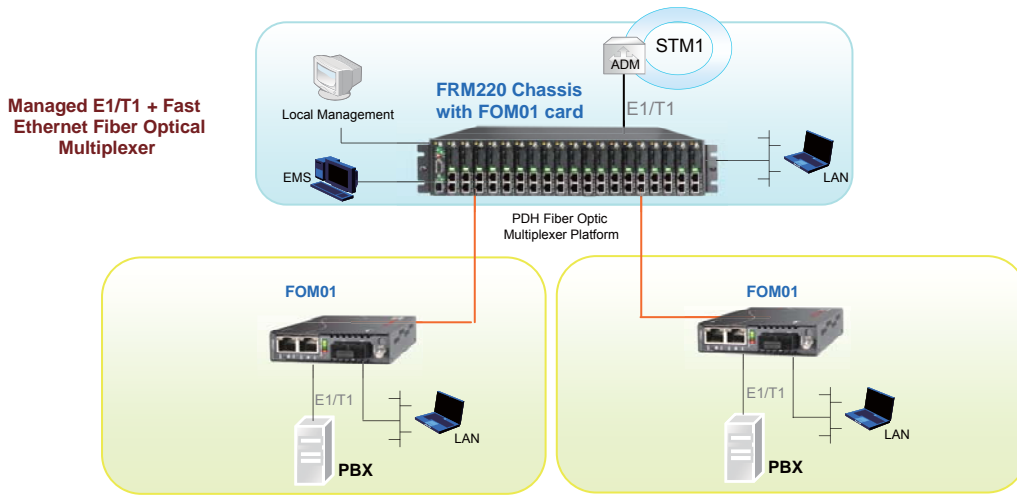


FRM220-FOM01 is a modular design for E1/T1 + Fast Ethernet multi-service to fiber PDH multiplexer. FRM220-FOM01 provides E1/T1 transmission transparently, pure 100Mbps Fast Ethernet simultaneously. The fiber optic line gives you the options to choose from most popular fiber cabling connectors such as, ST, SC, FC or SFP-LC. Both multi-mode and single mode models are available as well as BiDi which allows bi-directional transmissions using only a single fiber cable, With SNMP and Web-based management in the FRM220, the Network administrator can monitor, configure and control the activity of each card in the chassis.

Features

- 1 channel 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 for Ethernet
- Supports Digital Diagnostics Monitoring Interface (DDMI) SFP
- Loopback test on E1/T1, fiber ports
- Supports Dying Gasp
- Supports local or remote In-band management by SNMP manager
- Local management by console port via FRM220-CH01M chassis.
- Supports On-Line F/W upgrade.

E1/T1 ports	Unframed (transparent)
Framing	E1:2.048 Mb/s , T1: 1.544Mb/s
Bit Rate	E1:AMI/HDB3, T1: AMI/B8ZS
Line Code	E1: Unbalanced 75 ohms (BNC cable)
Line Impedance	E1: Balanced 120 ohms (RJ-45)
	T1: Balanced 100 ohms (RJ-45)
Receiver sensitivity	Short haul
"Pulse" Amplitude	Nominal 2.37V+/-10% for 75 ohms
	Nominal 3.00V+/-10% for 120 ohms
"Zero" Amplitude	+/-0.3V
Transmit Frequency Tracking	w/external clock card option
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, BNC
Test Loops	LLB (Local Loop Back)
	RLB (Remote Loop Back)
Ethernet	
Interface Type	10/100Base-TX
Connector	RJ-45
Standard	IEEE 802.3, 802.3u
Duplex modes	full/half
Test	Loop back test
Indications	Power FX Link, E1/T1 Mode/Link/Loopback test, LAN Link/Speed.
Power Input	AC adapter, 12VDC
Dimensions	155x88x23mm(DxWxH)
Temperature	0 ~ 60°C (Operating), -10 ~ 70°C (Storage)
Humidity	10 ~ 90% RH (non-condensing)
Certifications	CE, FCC, RoHS



Ordering Information

FRM220-FOM01: 1-port E1/T1+100M Ethernet Fiber Multiplexer
 FRM220-FOM01-SFP: 1-port E1/T1+100M Ethernet Fiber Multiplexer with SFP slot

Smart View Element Management System (EMS)

SV-PLF-05 (5, 25, 50): Platform Server (5, 25, 50 admissions)
 SV-AGT-50 (50, 100, 200, 500): Device Agent (50, 100, 200, 500 Devices)
 SV-Fiber: FRM220 Managed Module