

FRM220-1000M

Gigabit Ethernet Web Smart OAM Managed Media Converter



The FRM220-1000M is an IEEE802.3ah OAM compliant copper to fiber Gigabit Ethernet solution designed to make conversion between 10/100/1000Base-T and 1000Base-X with SC, FC or ST connector. With SNMP and Web-based management in the FRM220, the network administrator can monitor, configure and control the activity of each 802.3ah series card and remotely connected OAM compliant converter. By offering 802.3ah OAM Compliant in-band management, this converter can be completely controlled and monitored from a centrally located managed rack controlling all converter settings including band-width control, duplex, and speed configuration. This media converter is completely transparent to Layer 2 and Layer 3 protocols including IEEE 802.1q, VLAN tag, Q in Q, STP, IPX, IP, etc.

Features

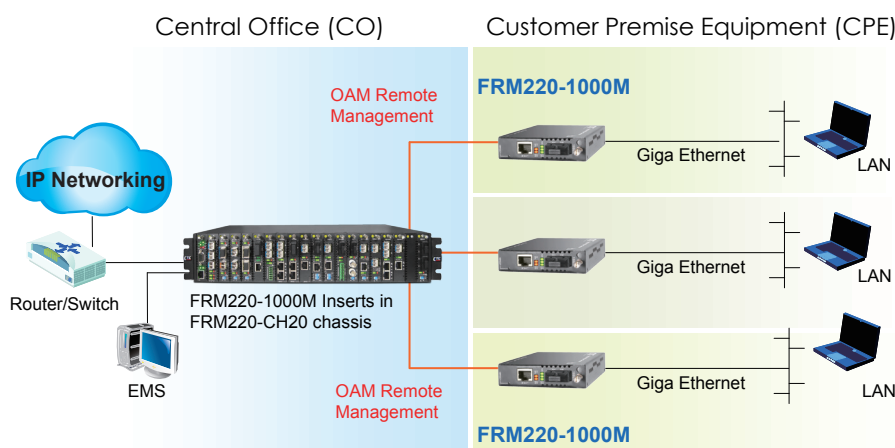
- ◆ 1-Port 10/100/1000Base-T to 1000Base-X Converter
- ◆ Auto-Cross over for MDI/MDIX in TP port
- ◆ Auto-Negotiation or manual mode in TP port
- ◆ Supports flow control **Enable** or **Disable**
- ◆ Supports Jumbo Frame 9K Packet
- ◆ Ingress / Egress bandwidth control
- ◆ Supports 802.3ah-OAM in-band management
- ◆ Firmware upgrade via Web
- ◆ Management Password Setting
- ◆ Dying gasp (remote power failure detection)
- ◆ Supports Link Fault Pass-Through (LFPT) Function
- ◆ Supports Auto Laser Shutdown (ALS) Function
- ◆ Allow IP settings Web or Console management on stand-alone.
- ◆ Provide Product information for management
- ◆ Supports On-Line F/W upgrade (local) by the Web manager
- ◆ Supports 16 Tag VLAN Group
- ◆ RMON counters (for standalone unit only)

Specifications

Optical Interface	Connector	1x9 (SC)
	Data rate	125/1250Mbps
	Duplex mode	Full duplex
	Fiber	MM 50/125µm, 62.5/125µm. SM 9/125µm
	Distance	MM 2km, SM 15/30/50/80/120km, WDM 20/40/60/80km
	Wavelength	MM 1310nm, SM 1310,1550nm WDM 1310Tx/1550Rx (type A) 1550Tx/1310Rx (type B)
Electrical Interface	Connector	RJ45
	Data rate	10Mbps, 100Mbps, 1000Mbps
	Duplex mode	Half / Full duplex
	Cable	10Base-T Cat.3, 4, 5, UTP, 100Base-TX Cat.5, 5e or higher

Standards	IEEE 802.3, IEEE 802.3u IEEE 802.3ab, 802.3z, 802.3ah, 802.1Q
Indications	LED (Power, FX-Link, LAN Speed, LAN Link)
Power Input	Card : 12VDC Standalone : AC, DC options
Power Consumption	< 4W
Dimensions	155 x 88 x 23mm (D x W x H)
Weight	120g
Temperature	0 ~ 60°C (Operating), -10 ~ 70°C (Storage)
Humidity	10 ~ 90% non-condensing
Certification	CE, FCC, LVD, RoHS
MTBF	65,000 hrs (25°C)

Application



Ordering Information

Model Name	Description
FRM220-1000M	10/100/1000Base-T to 1000Base-X, Web Smart OAM managed media converter