



FRM220-1000MS

Web Smart OAM Managed 10/100/1000Base-T to 100/1000Base-X SFP GbE Media Converter

The FRM220-1000MS is an IEEE 802.3ah OAM compliant copper to fiber Gigabit Ethernet solution designed to make conversion between 10/100/1000Base-T and 100/1000Base-X with SFP modules. With SNMP and Web-based management in the FRM220, the administrator can monitor, configure and control the activity of each 802.3ah series card and remotely connected OAM compliant converter. Converter settings include bandwidth control, duplex, and speed configuration, VLAN tagging, limited Q-in-Q support and SFP DDMI. When used as stand-alone converters, the 1000M can be managed by a friendly WebSmart user interface via any web browser.

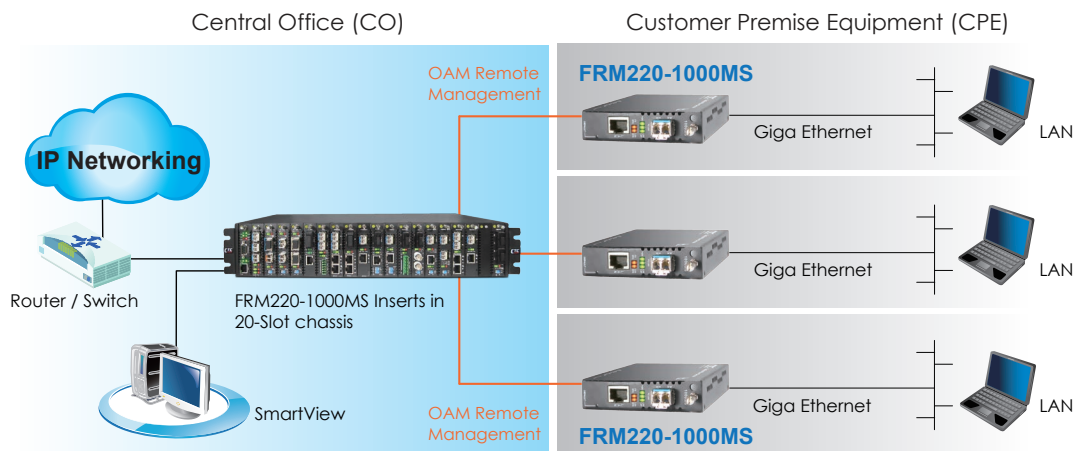
Features

- 1-Port 10/100/1000Base-T to 100/1000Base-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 (for standalone unit only)
- Management Password Setting (for standalone unit only)
- Dying gasp (remote power failure detection on stand-alone)
- Supports Link Fault Pass-Through (LFPT) Function
- Supports Auto Laser Shutdown (ALS) Function
- Allow IP settings web or console management
- Supports D/D function for SFP fiber transceiver
- Supports 16 Tag VLAN Group
- RMON counters (for standalone unit only)

Specifications

Optical Interface	Connector	SFP LC	Standards	IEEE 802.3, 802.3u, 802.3ab, 802.3z, 802.3ah, 802.1Q				
	Data rate	125/1250Mbps		Indications	LED (Power, FX-Link, LAN Speed, LAN Link)			
	Duplex mode	Full duplex			Power Input	12VDC		
	Fiber	MM 50/125µm, 62.5/125µm, SM 9/125µm				Power Consumption	< 6W	
	Distance	MM 2km, SM 15/30/50/80/120km, WDM 20/40/60/80km					Dimensions	Card: 155 x 20.8 x 88mm (D x W x H)
	Wavelength	MM 1310nm, SM 1310,1550nm WDM 1310Tx/1550Rx (type A) 1550Tx/1310Rx (type B)						Weight
Electrical Interface	Connector	RJ45	Temperature					
	Data rate	10Mbps, 100Mbps, 1000Mbps		Humidity				
	Duplex mode	Half / Full duplex			Certification			
	Cable	10Base-T Cat.3, 4, 5, UTP 100Base-TX Cat.5, 5e or higher				MTBF		

Application



Ordering Information

Model Name	Description
FRM220-1000MS	10/100/1000Base-T to 100/1000Base-X SFP Web smart OAM managed media converter. (Optional SFP)

Note: This card may use CH01M to provide console for initial TCP/IP settings, or use CH01 with default IP.