



Gigabit Ethernet OAM/IP In-band Managed Converter

FRM220-1000MS

Converter

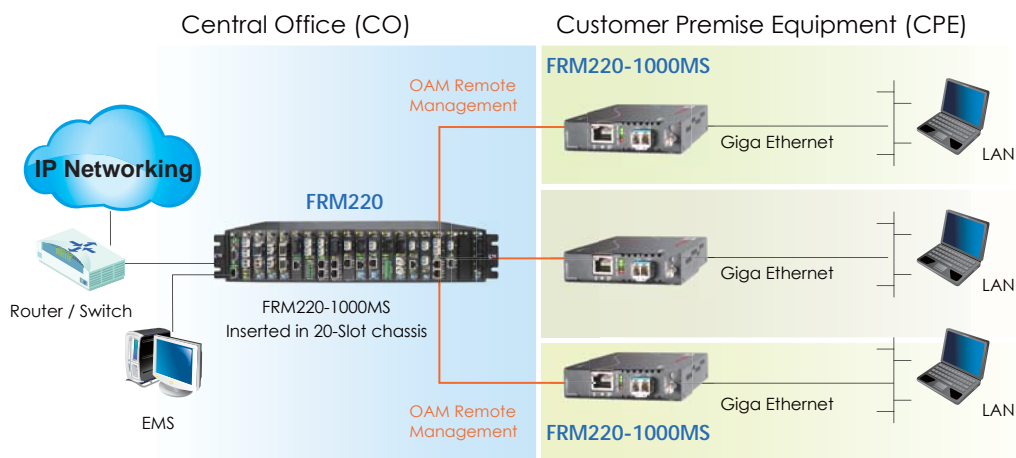
The FRM220-1000MS is an IEEE802.3ah OAM compliant copper to fiber Gigabit Ethernet solution designed to make conversion between 10/100/1000Base-TX and dual rate 100/1000Base-X with SFP LC connector. When deployed as a stand-alone solution, this media converter incorporates an easy to use Web user interface for operation, administration and maintenance of both local and remotely connected FRM220-1000MS converters. By offering 802.3ah OAM compliance, this converter can be linked to any 802.3ah compliant fiber switch and support loop back and dying gasp functions. When placed in our centrally controlled and managed rack, all functions of this converter and the remotely connected converter can be configured and monitored via in-band management, including band-width control, duplex, speed, VLAN configuration and more.

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/IP in-band management (for standalone unit only)
- Firmware upgrade via Web (for standalone unit only)
- Digital Diagnostic (DOM) SFP Support
- Management Password Setting (for standalone unit only)
- Dying gasp (remote power failure detection on stand-alone)
- Supports Link Fault Pass Through (LFP) Function
- Supports Auto Laser Shutdown (ALS) Function
- Allow IP settings Web or Console management (for standalone unit only)
- Supports D/D function for SFP fiber transceiver
- Supports 16 Tag VLAN Group/ Q-in-Q (for standalone unit only)
- RMON counters (for standalone unit only)

Specifications

| | | |
|-----------------------------|-------------|--------------------------------------------------------------------------------------------|
| Optical Interface | Connector | SFP LC |
| | Data rate | 100/1000Mbps |
| | 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 |
| Standard Indications | | IEEE 802.3, IEEE 802.3u IEEE 802.3ab, 802.3z LED (Power, FX-Link, LAN Speed, LAN Link) |
| Power Input | Card | : 12VDC |
| | Standalone | : AC, DC options |
| Power Consumption | | < 4W |
| Dimension | | 155 x 88 x 23mm (D x W x H) |
| Weight | | 0.12kg |
| Temperature | | 0 ~ 60°C (Operating), -10 ~ 70°C (Storage) |
| Humidity | | 10 ~ 90% non-condensing |
| Certification | | CE, FCC, LVD, RoHS |
| MTBF | | 65,000 hrs |



Ordering Information

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

Note: The card is suitable for using in CH01 standalone chassis.