

FRM220-2000MS

Web Smart In-Band OAM GbE Switch

100/1000Base-T to 100/1000Base-X SFP Web Smart In-Band Managed GbE Switch



The FRM220-2000MS 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 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 2000MS can be managed by a friendly Web Smart user interface via any web browser.

Features

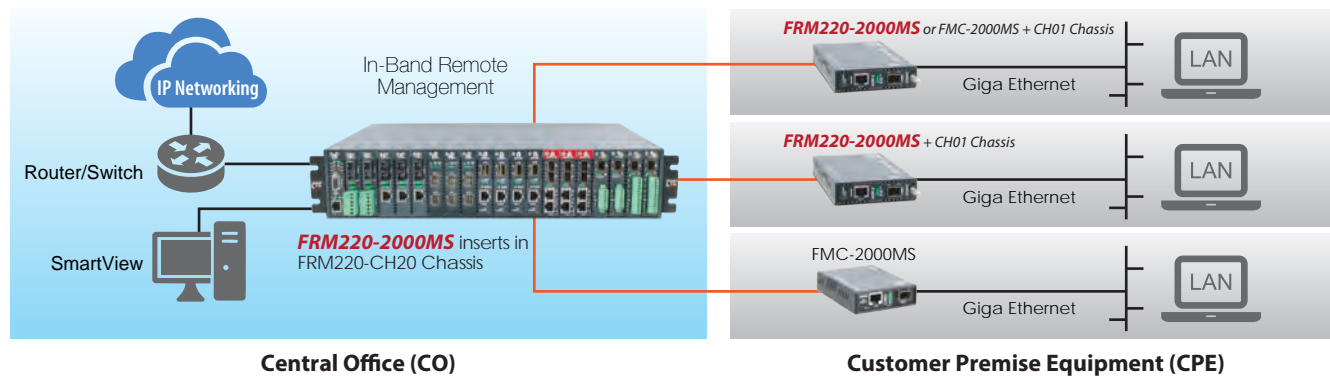
- 1-Port 10/100/1000Base-T to 100/1000Base-X SFP Converter
- Auto-Cross over for MDI/MDIX in TP port
- Auto-Negotiation or manual mode in TP port
- Supports flow control Enable or Disable
- Supports Jumbo Frame 16K Packet
- Egress bandwidth control
- Supports in-band IEEE 802.3ah management
- Firmware 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
- Supports D/D function for SFP fiber transceiver
- Supports 16 Tag VLAN Group
- RMON counters (for standalone unit only)
- USB Console port, Telnet, SNMP, Web Management

Specifications

| | | |
|-----------------------------|---|--|
| Optical Interface | Connector | SFP LC |
| | 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 1000Base-TX Cat.6 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 | 12VDC | |
| Power Consumption | < 6W | |
| Dimensions | 159.5 × 20.8 × 88mm (D×W×H) | |
| Weight | 120g | |

| | |
|---------------|--|
| Temperature | 0 ~ 50°C (Operating), -10 ~ 70°C (Storage) |
| Humidity | 10 ~ 90% non-condensing |
| Certification | CE, FCC |
| MTBF | 65,000 hrs |

Application



Ordering Information

| Model Name | Description |
|---------------|---|
| FRM220-2000MS | 10/100/1000Base-T to 100/1000Base-X SFP web smart managed switch card. (Optional SFP) |