



FRM220-1000MS

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

The FRM220-1000MS is an IEEE802.3ah 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 network 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 DDML. When used as stand-alone converters, the 1000M can be managed by a friendly WebSmart user interface via any web browser.

Features

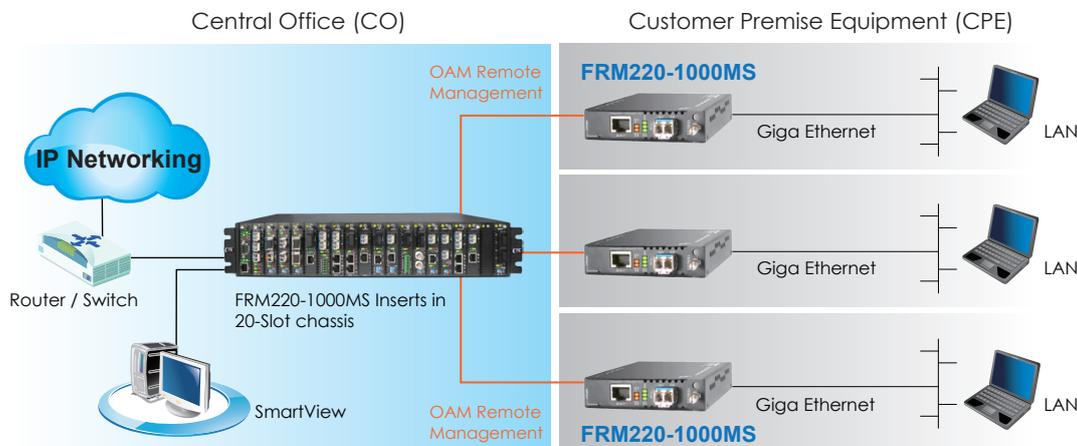
- 1-Port 10/100/1000Base-T to 100/1000Base-X Converter
- Auto-Cross over for MDI/MDIX in TP port
- Auto-Negotiation or manual mode in TP port
- Supports flow control Enable or Disable
- Supports Jumbo Frame 9K Packet
- Ingress / Egress bandwidth control
- Supports 802.3ah-OAM in-band management
- Firmware 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 |
| | 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, 802.3u, 802.3ab, 802.3z, 802.3ah, 802.1Q |
| Indications | LED (Power, FX-Link, LAN Speed, LAN Link) |
| Power Input | 12VDC |
| Power Consumption | < 6W |
| Dimensions | Card: 155 x 20.8 x 88mm (D x W x 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 |
|---------------|-----------------------------------------------------------------------------------------------|
| FRM220-1000MS | 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.