

In-band Managed Platform FRM220-1000EAS

OAM/IP In-band Management Slide-in line card converter for FRM220 Series

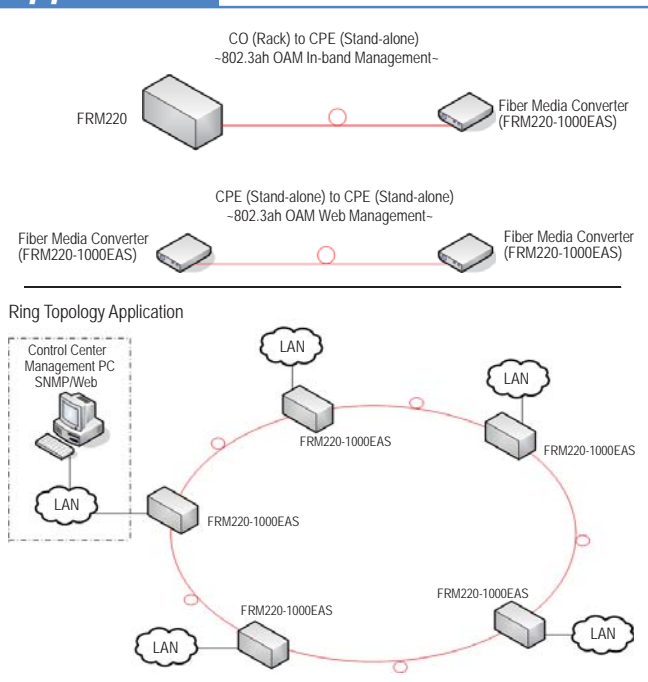
This IEEE802.3ah OAM compliant copper to fiber Gigabit Ethernet solution is designed to make conversion between 10/100/1000Base-TX and 1000Base-FX with SFP-LC connector. With SNMP agent and GUI Web-based management in the FRM220, the Network administrator can monitor, configure and control the activity of each 802.3ah series line card. This 802.3ah OAM Compliant media converter, with its Q-in-Q and maximum interoperability will enable carriers and service providers to have a clear vision of their network and conveniently manage their demarcation point.



Features

- 802.3ah In-band OAM management compliant
- Supports 2 ports 10/100/1000Base-T and 2 ports GbE fiber with auto-switching redundant fiber transceiver
- 10/100/1000Mbps auto-negotiation or forced mode operation on the TP interface
- Fiber Auto-Negotiation or force mode
- Supports Flow control function
- Supports OAM remote loopback to assist in diagnosing network problems
- Supports spanning tree function
- Supports bandwidth control
- Supports Dying Gasp Reporting for power outage
- Supports QoS Classification
- Supports local / remote monitor
- Supports local / remote Configuration
- Supports Q in Q double tagged frame transparent
- Supports remote F/W upgrade (In-band)
- Supports IEEE 802.1q Tag VLAN and port-base VLAN
- Provides fiber transceiver information for management
- Compatible with FRM220 Managed Chassis

Application



Specifications

LAN Interface Specification

- Two RJ-45 female connectors for straight or cross-over connection.
- Supports 2-port 10/100/1000Base-TX, n-way (Auto-Negotiation).
- Supports Full, Half duplex, 10/100/1000 speed force mode selections.
- Transmission Packet Rate for 10Base-T: 14880 per second
100Base-TX: 148800 per second ; 1000Base-TX: 1488000 per second
- Copper TP cable 4 pair Cat. 5e or 6 UTP

Optical Interface Specification

- Transceiver Connector type : SFP-LC
- Supports 2-port, 1000Mbps SFP slot
- Supports auto-receive sensitivity function, no extra attenuators needed.

General Specification

- Standards: IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, 100Base-FX, IEEE 802.3ab, 802.3z 1000Base-TX, 1000Base-FX, IEEE 802.3ah In-band OAM management compliant
- 6 diagnostic LEDs : Power / FX-Link ,TX-Speed / TX-Duplex / TX-Link / FEF
- Temperature: 0 - 50° C (Operating); 0 - 70° C (Storage).
- Humidity: 20-80% non-condensing (Operating); 10-90% (Storage).
- Power: DC Jack : Switching adaptor (12V, 1A) Consumption: < 12W
- Dimensions: 155mm x 88mm x 23mm (LxWxH).
- Weight: 120g.
- Compliance: FCC part 15, Subpart B, Class A, ANSI C63.4:2003, CE EN55022:2006, Class A, EN55024:1998+A1:2001+A2:2003, LVD: EN60950-1:2001
- MTBF: 65,000 h (25° C)

Ordering Information

- **FRM220-1000EAS** In-band Managed, 2-port 10/100/1000Base-TX to 2 ports 1000-FX SFP slot switch supports 802.3ah In-band OAM management