In-band Managed Platform
FRM220-10/100A

OAM/IP In-band Management Slide-in line card converter for FRM220 Series
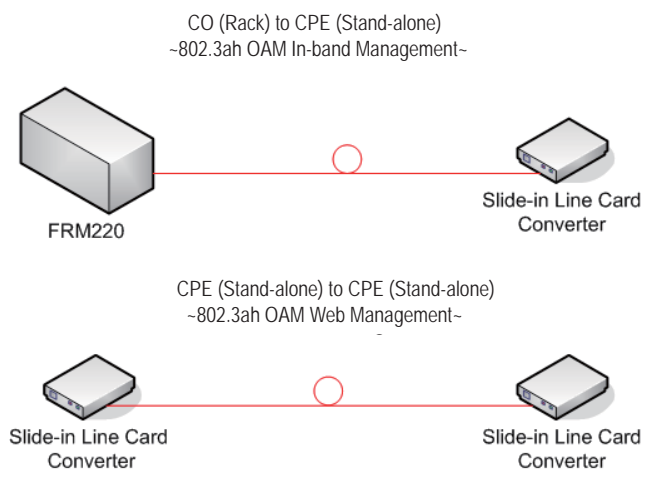
This IEEE802.3ah OAM compliant copper to fiber Fast Ethernet solution is designed to make conversion between 10/100Base-TX and 100Base-FX with SC or ST connector. With SNMP agent and GUI Web-based management in the FRM220, the Network administrator can monitor, configure and control the activity of each 802.3ah series line card. This 802.3ah OAM Compliant media converter, with its Q-in-Q and maximum interoperability will enable carriers and serivce provides to have a clear vision of their network and conveniently manage their demarcation point.

IP Surveillance

2 Fiber Series

PDH Series

Broadband Access

EoCoax

Measurement

Interface Converter

Datacom Accessories

Network Management

Features

- Complies with 802.3 10Base-T, 802.3u 100Base-TX, 100Base-FX
- 802.3ah In-band OAM management compliant
- 10/100Mbps auto-negotiation or forced mode operation on the TP interface
- Fiber Auto-Negotiation or force mode
- Forward 9K jumbo packets (in converter mode)
- Supports Flow control function
- Supports OAM remote loopback to assist in diagnosing network problems
- 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 firmware upgrade
- Supports IEEE 802.1q Tag VLAN pass thru
- Compatible with FRM220 Managed Chassis

Application

CO (Rack) to CPE (Stand-alone)
~802.3ah OAM In-band Management~

FRM220 — Slide-in Line Card Converter

CPE (Stand-alone) to CPE (Stand-alone)
~802.3ah OAM Web Management~

Slide-in Line Card Converter — Slide-in Line Card Converter

Specifications

LAN Interface Specification
- One RJ-45 female connector for straight or cross-over connection.
- Supports 10/100Base-TX, n-way (Auto-Negotiation).
- Supports Full, Half duplex, 10M, 100M speed manual mode selections.
- Transmission Packet Rate for 10Base-T: 14880 per second 100Base-TX: 148800 per second
- Copper TP cable 4 pair Cat. 3 4, 5e or 6 UTP

Optical Interface Specification
- Transceiver Connector type：ST or SC
- Supports Full, Half auto duplex selection, 100Mbps speed
- Supports auto-receive sensitivity function, no extra attenuators needed.

General Specification
- Standards   IEEE802.3 10Base-T, IEEE802.3u 100Base-TX, 100Base-FX, IEEE 802.3ah In-band OAM management compliant
- 6 diagnostic LEDs :   Power/FX-Link ,TX-Speed/TX-Duplex/TX-Link/FEF
- Temperature: $0 - 50^o$ C (Operating); $0 - 70^o$ C (Storage).
- Humidity: 20-80% non-condensing (Operating); 10-90% (Storage).
- Power: DC Jack : Switching adaptor (12V, 400mA) Consumption: < 4W
- 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^oC)

Ordering Information

- *FRM220-10/100A*   In-band Managed, 10/100Base-TX to 100Base-FX slide-in line card converter, supports 802.3ah In-band OAM management