

In-band Managed Platform FRM220-1000EAS-1

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

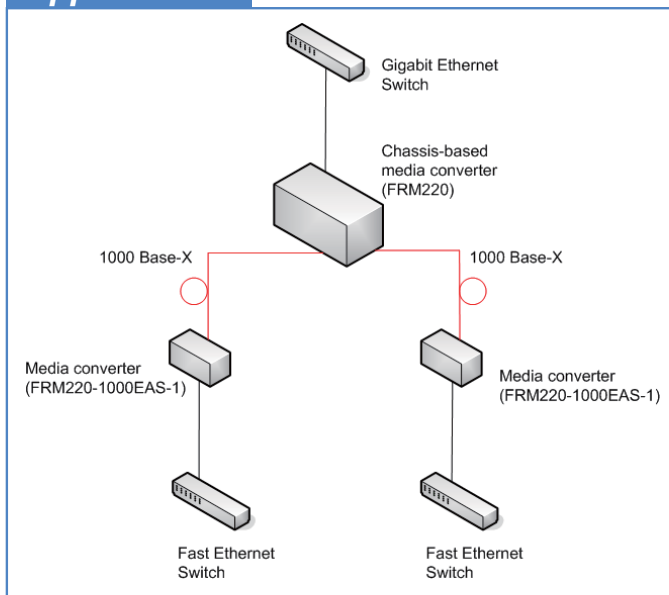
This managed copper to fiber Gigabit Ethernet solution is designed to make conversion between 10/100/1000Base-TX and 1000Base-FX with SFP-LC connector. With SNMP agent and GUI Web-based management in the FRM220, the Network administrator can monitor, configure and control the activity of each FRM220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



Features

- IEEE 802.3ah In-band OAM management compliant
- Supports 1-port 10/100/1000Base-T and 1-port GbE fiber with auto-switching 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 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 IEEE 802.1q Tag VLAN pass thru
- Provides fiber transceiver information for management
- Telnet, SNMP v1/v2c, Web management compliant
- Compatible with FRM220 Managed Chassis

Applications



Specifications

LAN Interface Specification

- One RJ-45 female connector for straight or cross-over connection.
- Supports 1-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 1-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-X
- 6 diagnostic LEDs : Power / FX-Link , TX-Speed / TX-Duplex / TX-Link / Test
- 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: 145000 hours

Ordering Information

- **FRM220-1000EAS-1** IEEE 802.3ah OAM Managed, 1-port 10/100/1000Base-TX to 1-port 1000Base-X SFP slot fiber media converter