



Gigabit Ethernet Aggregate Switch Card

FRM220A-GSW/SNMP

The FRM220A incorporates a 24+4 Gigabit Ethernet Switch. Twenty ports supply each slot of the 2U 20-slot chassis with an electrical gigabit Ethernet uplink with the remaining four electrical gigabit ports accessible via the rear of the chassis. The additional four ports are provided by SFP sockets. All eight gigabit ports (4+4) are usable without restrictions for uplink aggregate to the Ethernet Metropolitan Area Network (E-MAN). The FRM220A-GSW/SNMP card transmits Ethernet between the subscriber equipment (bridge/modem or network interface card) and the E-MAN. The card provides a user-networking interface with Ethernet packets. This card is capable of providing high bandwidth for assembling Ethernet traffic. The FRM220A-GSW/SNMP card is not only the system aggregate/trunk module, but also the system's control module, providing OAM Management functions.

Features

- Provides chassis aggregation via 4 electrical (RJ-45) 10/100/1000T ports plus 4 optical (SFP) 1000X/2500Base-X Gigabit Ethernet ports
- Optical Ethernet ports Support stacking in Ring or Chain topology
- Each chassis slot has one gigabit Ethernet uplink
- Provides Web, Telnet, SNMP for out-band management
- Supports IEEE802.1d Ethernet bridge function between trunk Ethernet ports
- Supports Rapid Spanning Tree Protocol (RSTP) for the trunk interfaces per IEEE 802.1w
- Support automatic source MAC learning and block duplicate ones
- Supports IEEE 802.1q Port-base VLAN and Tag-base VLAN
- Supports static VLAN management
- Supports Link Aggregation in IEEE 802.3ad that allows GbE links to be aggregated together as logical link.
- Support Simple Network Time Protocol (SNTP)
- Supports VLAN level QoS function and 4 priority queues for QoS
- Supports f/w upgrade via http

Specifications

Trunk Interface

- 4x 10/100/1000Base-T plus 4x 1000Base-X/2500Base-X GbE Switch trunk card.
- Auto-adaptive between full-duplex and half-duplex
- Operation modes for 10, 100, 1000 Mbps operation speed on RJ45 trunk port basis.
- The system only supports full-duplex mode for 1000 Mbps.
- Supports both RJ45 and optical SFP (Mini-GBIC) connectors
- Supports up to 20 service cards
- In-band management: provide all system OAM functions: software updates, and management system interaction through Ethernet trunk port.
- Out-band management: supports Web, Telnet and SNMP, EMS management

Capacity Management Interface

Indications

PWR, FAN, Alarm, STK

Dimensions

142x200x26mm (DxWxH)

Weight

0.5kg

Temperature

0 ~ 60°C (Operating), -10 ~ 70°C (Storage)

Humidity

5 ~ 90% non-condensing

Certification

CE, FCC, LVD, RoHS

MTBF

65,000 hrs



Ordering Information

| Model Name | Description |
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| FRM220-GSW/SNMP | Gigabit Ethernet Aggregate switch card supports web, telnet, SNMP functions |
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