FRM220A-GSW/SNMP (n)

1G uplink Ethernet Aggregation Switch Card

The FRM220A-GSW/SNMP (n) is the next generation management module card for the FRM220A chassis. This card is built with Gigabit Ethernet interfaces to connect the backplane with each slot of FRM220A chassis. Twenty ports supply each slot of the 2U 20-slot chassis with an electrical gigabit Ethernet uplink with a remaining four electrical gigabit ports accessible via the rear of the chassis. The additional four uplink SFP ports provide 1G Ethernet connections. All eight ports (4x GE+ 4x 1G) are usable without restrictions for uplink aggregate to the Ethernet Metropolitan Area Network (E-MAN). The FRM220A-GSW/SNMP (n) 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 (n) card is not only the system aggregate/trunk module, but also the system's control module, providing, SSHv2, SNMP (v1, v2c, v3) and Web GUI Management functions.

Features

- Provides chassis aggregation via 4x 1G Gigabit Base-X SFP uplink slots
- Supports IEEE 802.1p HW based 8 priority queues and L2~L4 QoS functions
- Supports IPv6 management
- Fiber optical ports supports Ring topology
- Built-in gigabit Ethernet interface to link with each slot of FRM220A chassis
- Provides Web (https), Telnet, SSHv2, SNMP(V1, V2c, V3) management interface
- Supports IEEE 802.1D/802.1w/802.1s for ring protection on the trunk interfaces
- Supports IEEE 802.1Q tagged VLAN and IEEE 802.1ad Q-in-Q application

Specifications

Trunk Interface	4x 1G Base-X SFP + 4x 10/100/1000Base-T RJ45 switch trunk card	
	Supports full-duplex mode for 1G Mbps	
Capacity	Supports up to 20 service cards	
Temperature	0~60℃ (Operating), -10~70℃ (Storage)	
Humidity	5~90% non-condensing	
Certification	CE, FCC, RoHS compliant	
Management Specifications	In-band management	Provides all system OAM functions: software updates, and management system interaction through Ethernet trunk port
	Out-band management	Supports Web, Telnet and SNMP, EMS management

Indications	PWR, FAN, Alarm, STK
Dimensions	142 x 200 x 26 mm (D x W x H)
Weight	0.5kg
MTBF	65,000 hrs

Ordering Information

Model Name	Type	Description
FRM220A-CH20	Chassis	2U 20-Slot rack mount chassis with 20 line console blank plate
FRM220A-GSW/SNMP (n)	Card	1G Ethernet Aggregate switch card supports web, telnet, SNMP management interface
FRM220A-AC	Power	Chassis power module 100 ~ 240 VAC, IEC connector
FRM220A-DC24	Power	Chassis power module 18 ~ 36 VDC, 3 pin terminal block
FRM220A-DC48	Power	Chassis power module 36 ~ 72 VDC, 3 pin terminal block

Chassis
FRM220A – ☐☐☐☐
Example: FRM220A – CH20

Card
FRM220A – ☐☐☐/☐☐☐☐ ☐☐☐
Example: FRM220A – GSW/SNMP (n)

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Ethernet Aggregation Platform   FRM220A–GSW/SNMP (n)

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