

NEW



FRM220A-GSW40S

4-port 100/1000Base-X SFP Managed Switch

The FRM220A-GSW40S is a managed Gigabit Ethernet slide-in card switch designed 4-port 100/1000Base-X SFP With embedded SNMP and Web-based management, the administrator can monitor, configure and control the activity of each switch card both locally and remotely. Based on a powerful L2 switch architecture, this switch supports bandwidth control, duplex and speed configuration, VLAN tagging, Q-in-Q, QoS, Spanning tree, jumbo frames as well as auto laser shutdown, link fault pass through, OAM loop back and dying gasp. This card may also be controlled and monitored via an NMC in a managed chassis.

Features

- 4-port 100/1000Base-X SFP
- Supports OAM remote loopback to assist in diagnosing network problems
- Standalone IP Based, Web GUI, Telnet, SNMP management
- RADIUS Client
- Fiber Redundant mode
- Supports RMON counter
- Supports dying gasp
- D/D function for supported SFP fiber transceiver
- Online local / remote f/w upgrade
- Supports local / remote IEEE 802.3ah OAM / IP management
- Supports Far End Fault Indication (FEFI)
- Supports Link Fault Pass-Through (LFPT)
- Auto Laser Shutdown (ALS)

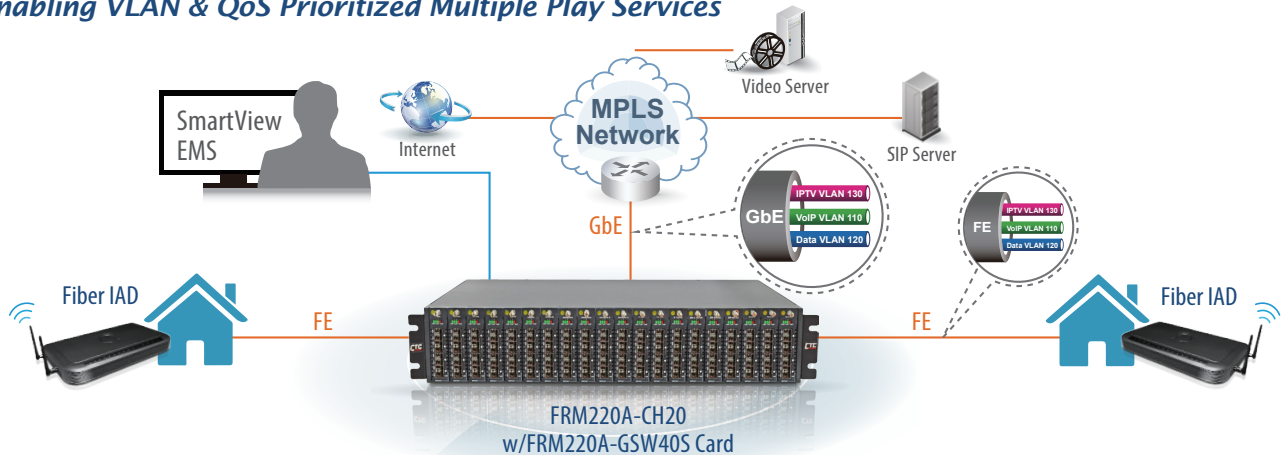
Specifications

Optical Interface	Connector	SFP LC
	Data rate	125/1250Mbps
	Duplex mode	Full duplex
	Fiber	MM 50/125µm, 62.5/125µm. SM 9/125µm
	Distance	MM 550m, 2km, SM 15/30/50/80/120km WDM 20/40/60km
Wavelength	MM	1310nm, SM 1310,1550nm
	WDM	1310Tx/1550Rx (type A)
		1550Tx/1310Rx (type B)
Indications	LED (Power, FX-Link, Test, TX-Link, TX-SPD)	
Packet forwarding rate	14880pps	@10Mbps
	148800pps	@100Mbps
	1488000pps	@1000Mbps
Transmission Method	Store and Forward Switching	
Packet buffer	4M bits	
MAC table size	8K	
Jumbo frame size	9600 Bytes	

VLAN feature	IEEE 802.1Q tagged VLAN (4K VLAN groups) IEEE 802.1ad QinQ VLAN Private VLAN for port isolation
Link aggregation	Static trunk (SA, DA, IP, TCP/UDP port) IEEE 802.3ad LACP, 2 LACP trunk groups Max 4 port Max. per LACP trunk
L2 switching protection	IEEE 802.1D STP/IEEE 802.1w RSTP/IEEE 802.1s MSTP Loop Protection
QoS feature	Hard wired IEEE 802.1p 8 priority queues per port Traffic scheduling based on strict/WRR priority CoS based traffic classification on switch port, VLAN ID, DSCP, TCP/UDP port IEEE 802.1p priority tag remarking; DSCP remarking Per Port/Queue based ingress/egress rate limit in steps of 100kbps IEEE 802.3x flow control Multicast/Broadcast/Unicast storm control with flooding control
Power Consumption	8W
Power Input	12VDC
Temperature	0 ~ 50°C (Operating), -10 ~ 70°C (Storage)
Humidity	10 ~ 90% non-condensing
Certification	CE, FCC
Dimensions	Card: 155 x 20.8 x 88mm (DxWxH)
Weight	130g

Application

Enabling VLAN & QoS Prioritized Multiple Play Services



Ordering Information

Model Name	Description
FRM220A-GSW40S	4-port 100/1000Base-X SFP-LC managed switch Card (optional SFP module)