

Product Comparison - FRM220 GE FE Converter & Switch

Large or SMB Enterprise / Campus / Government Market Segment

Ver. June 2022



Model Name	FRM220-10/100i	FRM220-10/100iS-2	FRM220-1000TS	FRM220A-1002ES	FRM220-2000MS	FRM220A-2000EAS/1	FRM220A-2000EAS/2	FRM220A-2000EAS/4F	
Description	In-band FE converter	In-band FE converter	GE converter	GE switch	Web GE converter	OAM/IP GE switch	OAM/IP GE switch	OAM/IP GE switch	
Fiber Interface	Single Mode	15/30/50km	15/30/50km	15/30/50km	15/30/50km	15/30/50km	15/30/50km	15/30/50km	
	Multimode	2Km	2Km	2Km	2Km	2Km	2Km	2Km	
	WDM	20/40km	20/40km	20/40km	20/40km	20/40km	20/40km	20/40km	
	Wave Length (nm)	1310/1550	1310/1550	1310/1550	1310/1550	1310/1550	1310/1550	1310/1550	
	Data rate	100Base-X	2 × 100Base-X	1000Base-X	2 × 1000Base-X	1000Base-X	1000Base-X	2 × 1000Base-X	4 × 1000Base-X
	Transceiver Type	SC/FC/ST	SFP-LC	SFP-LC	SFP-LC	SFP-LC	SFP-LC	SFP-LC	
Copper interface	Data rate	10/100Base-TX	2 × 10/100Base-TX	10/100/1000Base-T	2 × 10/100/1000Base-T	10/100/1000Base-T	10/100/1000Base-T	2 × 10/100/1000Base-T	
	Connector Type	RJ45	RJ45	RJ45	RJ45	RJ45	RJ45	RJ45	
Power	12VDC	12VDC	12VDC	12VDC	12VDC	12VDC	12VDC	12VDC	
Front Panel	Diagnostic LEDs	✓	✓	✓	✓	✓	✓	✓	
Console Interface	via CH01M	via CH01M	via CH01M	via CH01M	via CH01M	via CH01M	via CH01M	via CH01M	
Features	Auto-Negotiation or force mode	✓	✓	✓	✓	✓	✓	✓	
	Auto MDI/MDIX	✓	✓	✓	✓	✓	✓	✓	
	Dying Gasp	✓	✓			✓	✓	✓	
	Bandwidth Control	✓	✓		✓	✓	✓	✓	
	Loop back test	✓	✓	✓	✓	✓	✓	✓	
	Flow Control	✓	✓	✓	✓	✓	✓	✓	
	Auto Laser Shutdown (ALS)	✓	✓	✓	✓	✓	✓	✓	
	Link fault pass through (LFP)	✓	✓	✓	✓	✓	✓	✓	
	RMON Counter	✓	✓			✓	✓	✓	
	IEEE 802.1Q VLAN				✓	✓	✓	✓	
	Jumbo Frame packet (bytes)	9K	9K	10K	10K	10K	9K	9K	
	In-band Management	TS-1000	TS-1000			802.3ah OAM	802.3ah OAM	802.3ah OAM	802.3ah OAM
	Standalone SNMP v1/v2c/v3,						✓	✓	✓
	Standalone Web/Telnet/CLI mangagement					Web	✓	✓	✓
	SSH v2						✓	✓	✓
HTTPs						✓	✓	✓	
Port Mirroring						✓	✓	✓	
IPv4/IPv6 management						✓	✓	✓	
QoS 802.1p						✓	✓	✓	
f/w upgrade via Web	via NMC	via NMC	via NMC	via NMC	via NMC	✓	✓	✓	
Dimension (D x W x H) mm	159.5 × 20.8 × 88mm								