

Fast Ethernet In-band Managed Converter

FRM220-10/100i-2E



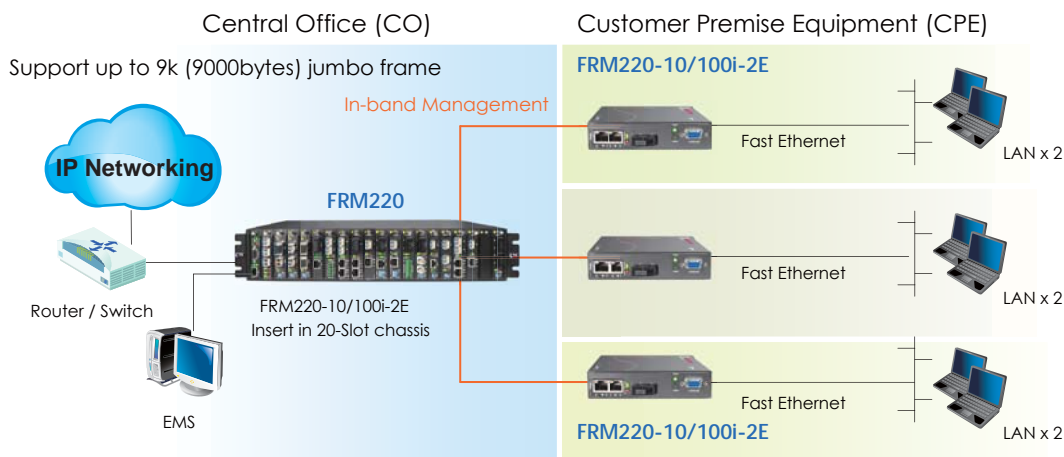
The FRM220-10/100i-2E is a 2-port 10/100Base Ethernet to 100Base-FX fiber slide-in card converter designed for central and remote applications. With advanced features like bandwidth control, this media converter is targeted for customer premises equipment in metro LAN, campus, enterprise and FTTx applications. By offering in-band management, this converter can be completely controlled and monitored from a centrally located managed standalone chassis controlling all converter settings including bandwidth control, duplex, and speed configuration. This media converter is completely transparent to Layer 2 and Layer 3 protocols including IEEE 802.1q, VLAN tag, Q in Q, STP, IPX, IP, etc.

Features

- 2-port 10/100Base-TX to 100Base-FX Converter
- Auto-Negotiation or forced mode
- Supports remote CPE power fail detect (dying gasp)
- Supports Far End Fault
- Supports Link Fault Pass through (LFP)
- Supports Fiber Loop Back Test
- Auto Laser Shutdown (ALS)
- Auto MDI/MDIX
- Forward 2046 bytes (max.) packets in switch mode
- Forward 9K jumbo packets in converter mode
- Supports Q in Q double tagged frame transparent
- Supports IEEE 802.1q Tag VLAN pass thru
- Supports local / remote In-band management (Monitor and Configure) by local management with CH01M standalone chassis.
- Bandwidth control (Nx32K or Nx512Kbps)
- Support flow control (Pause)
- Fiber Hardware Reset (FHR)
- Must be placed in managed chassis to realize any management features

Specifications

Optical Interface	Connector	1x9 (SC,FC,ST)
	Data rate	100Mbps
	Duplex mode	Full duplex
	Fiber	MM 50/125µm, 62.5/125µm. SM 9/125µm
Distance	MM	2km, 15/30/50/80/120km, WDM 20/40/60/80km
	Wavelength	MM 1310nm, SM 1310,1550nm WDM 1310Tx/1550Rx (type A) 1550Tx/1310Rx (type B)
Electrical Interface	Connector	RJ-45
	Data rate	10Mbps, 100Mbps
	Duplex mode	Half / Full duplex
	Cable	10Base-T Cat.3, 4, 5, UTP, 100Base-TX Cat.5, 5e or higher
Standard	IEEE 802.3, IEEE 802.3u	
Indications	LED (Power, FEF, FX-Link, TX-SPD, TX-Duplex, TX-Link)	
Power Input	Card: 12VDC	Standalone : AC, DC options
Power Consumption	< 5W	
Dimension / Weight	155 x 88 x 23mm (D x W x H) ; 0.12kg	
Temperature	0 ~ 60°C (Operating), -10 ~ 70°C (Storage)	
Humidity	10 ~ 90% non-condensing	
Certification	CE, FCC, LVD, RoHS	
MTBF	65,000 hrs	



Ordering Information

Model Name	Description
FRM220-10/100i-2E	2-port 10/100Base-TX to 100Base-FX In-band managed converter

Note: The card is suitable for using in CH01 standalone chassis.

Connector Type	Connectivity Distance
SC, ST, FC	002: 2km 015: 15km 030: 30km 050: 50km 080: 80km 120: 120km 20A: WDM 20km A type 20B: WDM 20km B type 40A: WDM 40km A type 40B: WDM 40km B type 60A: WDM 60km A type 60B: WDM 60km B type 80A: WDM 80km A type 80B: WDM 80km B type

FRM220 - 10/100i-2E -
 Example: FRM220 - 10/100i-2E - SC002