In-band Managed Family

In-band Managed slide-in card 2-Ch Fast Ethernet Converter for FRM220

FRM220-10/100iS-2

The FRM220-10/100iS-2 is a dual channel (two in one) 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 rack controlling all converter settings including band-width 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.
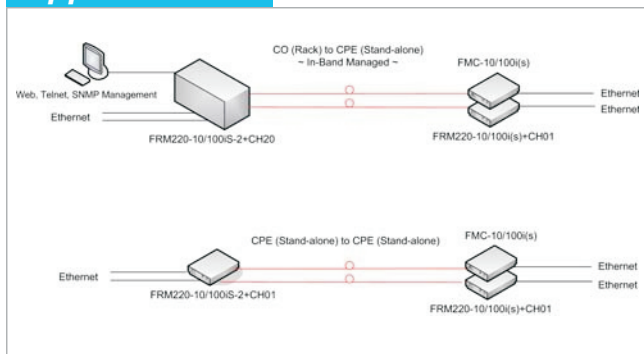
Features

- Dual Converter 10/100Base-TX to 100Base-FX
- Auto-Negotiation or forced mode
- 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 the SNMP manager.
- Bandwidth control (Nx32K or Nx512Kbps)
- Support flow control (Pause)
- Supports remote CPE power fail detect (dying gasp)
- Supports Far End Fault
- Supports Link Fault Pass through (LFP)
- Supports Loop Back Test
- Supports RMON counter
- D/D function for supported SFP fiber transceiver
- Auto Laser Shutdown (ALS)
- Fiber Hardware Reset (FHR)
- Online local / remote f/w upgrade

Specifications

Ports	Connector :	SFP LC
Optical Interface :	Data rate :	100Mbps
	Duplex mode :	Full duplex
	Cable type :	MM 62.2/125µm, 50/125µm. SM 9/125µm
	Cable length:	MM 2km, SM 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 :	RJ45
	Data rate :	10Mbps, 100Mbps
	Duplex mode :	Half / Full duplex
	Cable type :	10Base-T Cat.3, 4, 5, UTP, 100Base-TX Cat.5, 5e
	Cable length:	100 meters
Standard	IEEE 802.3, IEEE 802.3u	
LEDs	Power, FEF, FX-Link, TX-SPD, TX-Duplex, TX-Link	
Power	DC In 12V	
Power Consumption	< 4W	
Dimensions (D x W x H)mm	155 x 88 x 23mm	
Weight	120g	
Temperature	0~50°C (Operating) ,0~70°C (Storage)	
Humidity	10~90% non-condensing	
Certification	CE, FCC, LVD, RoHS	
MTBF	65,000 h (25°C)	

Application

Ordering Information

- **FRM220-10/100iS-2** Dual converter 10/100Base-TX to 100Base-FX slide-in card

Stand-alone:

Please refer to FRM220-CH01 data sheet page 2.