

Managed Family

Managed slide-in card Gigabit Ethernet switch for FRM220

FRM220-1000EDS



The FRM220-1000EDS is a dual channel (two in one) copper to fiber Gigabit Ethernet solution designed to make conversion between 10/100/1000Base-TX and 1000Base-SX/LX with SFP connector. With SNMP and Web-based management in the FRM220, the Network administrator can monitor, configure and control the activity of each card in the chassis. This converter also supports features such as ingress/egress bandwidth control, auto or forced mode setting for copper Ethernet as well as auto laser shutdown.

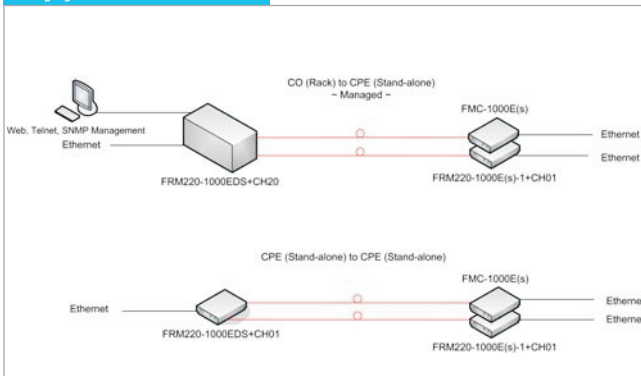
Features

- 2-port 10/100/1000Base-T to 2-port 1000Base-SX/LX SFP Managed card
- Supports dual converter mode or switch mode
- Auto-negotiation or forced mode
- Auto MDI/MDIX
- Forward 2046 bytes (max.) packets
- Support Bandwidth Control (70k ~ 250Mbps)
- Supports Flow control (Pause)
- Support Link fault pass through (LFP) function
- Supports remote CPE power fail detect (dying gasp)
- Auto Laser Shutdown (ALS)
- Online local f/w upgrade

Specifications

Ports	Connector : SFP LC
<i>Optical Interface :</i>	Data rate : 1000Mbps
	Duplex mode : Full duplex
	Cable type : MM 62.2/125µm, 50/125µm. SM 9/125µm
<i>Cable length:</i>	MM 2km, SM 15/30/50/80/120km, WDM 20/40/60/80km
	<i>Wavelength:</i> MM 850, 1310nm, SM 1310, 1550nm, WDM 1310Tx/1550Rx(type A), 1550Tx/1310Rx(type B)
<i>Electrical Interface :</i>	Connector : RJ45
	Data rate : 10Mbps, 100Mbps, 1000Mbps
	Duplex mode Half / Full duplex
	Cable type : 10Base-T Cat.3, 4, 5, UTP, 100Base-TX Cat.5, 5e, 1000Base-T Cat. 5e or higher
	<i>Cable length:</i> 100 meters
	Standard IEEE 802.3, IEEE 802.3u, IEEE802.3ab
LEDs Power, FX-Link 1/2, 2Ch, TX-Link, TX-SPD	
Power DC In 12V	
Power Consumption < 5W	
Dimensions 155 x 88 x 23mm (D x W x H)mm	
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

- **FRM220-1000EDS** 2-port 10/100/1000Base-T to 2-port 1000-SX/LX SFP slide-in card

Stand-alone:

All of FRM220 Series slide-in card can be converted to stand-alone by inserting in FRM220-CH01 single slot chassis. Please refer to FRM220-CH01 data sheet page 2.