Managed Family

Managed slide-in card Gigabit Ethernet converter for FRM220

FRM220-1000E-1, 1000ES-1



1x9 (SC, ST, FC) or SFP LC

MM 62.2/125um, 50/125um.

MM 2km, SM 15/30/50/80/120km,

WDM 1310Tx/1550Rx(type A),

10Mbps, 100Mpbs, 1000Mbps

10Base-T Cat.3, 4, 5, UTP,

100Base-TX Cat.5, 5e

Power, FX-Link , LFP, TX-Link, TX-SPD (1000E/ES-1)

100 meters

IEEE 802.3, IEEE 802.3u, IEEE802.3ab

Power, FX-Link 1/2, LFP(1000E/ES-2F)

0~50°C (Operating) ,0~70°C (Storage)

MM 850, 1310nm, SM 1310, 1550nm,

1000Mbps

SM 9/125µm

R.145

Duplex mode : Half / Full duplex

WDM 20/40/60/80km

1550Tx/1310Rx(type B)

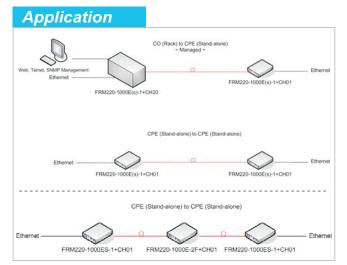
Duplex mode : Full duplex

The FRM220-1000E(s)-1 is a copper to fiber Gigabit Ethernet solution designed to make conversion between 10/100/1000Base-TX and 1000Base-SX/LX with SC or SFP LC 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.

Ports

Features

- 10/100/1000Base-T to 1000Base-SX/LX SFP Managed card
- 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



Managed Family Managed slide-in card Gigabit Ethernet converter for FRM220 FRM220-1000E-2F, 1000ES-2F



The FRM220-1000E(s)-2F is a copper to fiber Gigabit Ethernet solution designed to make conversion between 1000Base-SX/LX and 1000Base-SX/LX with SC or SFP LC 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.

Ordering Information

- FRM220-1000E-1
 - **0E-1** 10/100/1000Base-T to 1000-SX/LX slide-in card
 - **FRM220-1000ES-1** 10/100/1000Base-T to 1000-SX/LX SFP slide-in card
 - Stand-alone:

- FRM220-1000E-2F 2-port 1000-FX slide-in card
 - FRM220-1000ES-2F 2-port 1000-FX SFP slide-in card
- 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.

Specifications

Optical Interface :

Electrical Interface

Standard

LEDs

Power

Weight

Humidity

MTBF

Dimensions

Temperature

Certification

(D x W x H)mm

Power Consumption

Connector :

Cable type :

Cable length:

Wavelength:

Connector

Data rate :

Cable type :

Cable length:

DC In 12V

155 x 88 x 23mm

10~90% non-condensing

CE, FCC, LVD, RoHS

65,000 h (25°C)

< 5W

120a

Data rate