Fiber Media Converter

In-band Managed Platform

FRM220-1000EAS-2F

In-band Management Slide-in line card converter for FRM220 Series

The FRM220-1000EAS-2F is gigabit Ethernet Multi-mode to Single mode fiber media converters designed as standalone converters or as line cards for the FRM220 Media Converter Rack. The FRM220-1000EAS-2F fully complies with the requirements for 100Base-SX to 100Base-LX and 1000Base-SX to 1000Base-LX conversion. The FRM220-1000EAS-2F have one SFP slot for 1000Base-SX multi-mode SFP module with LC type connectors for 62.5/125um fiber cable and one SFP slot for 1000Base-LX single mode SFP module with LC type connectors for 9/125um fiber cable. The actual SFP transceiver modules are options

Features

- IEEE 802.3ah In-band OAM management compliant
- Supports 2 ports GbE fiber with auto-switching fiber transceiver
- Converts Single mode to Single Mode or Multi-mode to Multi-mode and multi-mode to single mode
- Fiber Auto-Negotiation or force mode
- Performs optical repeater function (with 100Base-SX to 100Base-LX or 1000Base-SX to 1000Base-LX)
- Extend Fiber Optic distance up to 550m / 1,815 ft (Multi-mode)
- Extend Fiber Optic distance up to 120km / 3630 ft (Single mode)
- Supports OAM remote loopback to assist in diagnosing network problems
- Supports bandwidth control
- Supports Dying Gasp Reporting for power outage
- Supports QoS Classification
- Supports local / remote monitor
- Supports local / remote Configuration
- Supports Q in Q double tagged frame transparent
- Supports IEEE 802.1q Tag VLAN pass thru
- Provides fiber transceiver information for management
- Telent, SNMP v1/v2c, Web management compliant
- Compatible with FRM220 Managed Chassis

Ordering Information

- **FRM220-1000EAS-2F** IEEE 802.3ah OAM Managed, 2-port 1000Base-X SFP slot fiber media converter

Specifications

Optical Interface Specification
- Transceiver Connector type：SFP-LC
- Supports 2-port, 1000Mbps SFP slot
- Supports auto-receive sensitivity function, no extra attenuators needed.

General Specification
- Standards　　　　　IEEE 802.3 10Base-T,
  IEEE 802.3u 100Base-TX , 100Base-FX,
- 　　　　　　　　　　IEEE 802.3ab, 802.3z 1000Base-TX, 1000Base-X
- Diagnostic LEDs :　Power / FX-1 link, FX-2 link / Test
- Temperature:　　　0 - 50° C (Operating);
  0 - 70° C (Storage).
- Humidity:　　　　　20-80% non-condensing (Operating);
  10-90%　(Storage).
- Power:　　　　　　DC Jack : Switching adaptor (12V, 1A)
  Consumption: < 12W
- Dimensions:　　　155mm x 88mm x 23mm (LxWxH).
- Weight:　　　　　120g.
- Compliance:　　　FCC part 15, Subpart B, Class A,
  ANSI C63.4:2003
  CE EN55022:2006, Class A
  　　EN55024:1998+A1:2001+A2:2003
  LVD: EN60950-1:2001
- MTBF:　　　　　　145000 hours

Applications

FE/ GE/ Fiber channel/ STM-1.4.8 OC-1.2...24 — SM to SM, SM to MM or MM to MM media converter (FRM220-1000EAS-2F) — Transparent (100M to 1.25G) — FE/ GE/ Fiber channel/ STM-1.4.8 OC-1.2...24