

Web Smart OAM/IP Managed Gigabit Ethernet Media Converter

FMC-1000M



The FMC-1000M family are Gigabit Ethernet 10/100/1000Base-T to 1000Base-X Web Smart IP based managed fiber media converters, which provide simple control and setting function on each Ethernet port through out of band network via a Web browser. The FMC-1000M media converters give you the fiber cabling connector, Both multi-mode and single mode converter models are available as well as BiDi which allows bi-directional transmissions using only a single fiber cable. When auto-negotiation is selected, these units will automatically tailor themselves to convert both half-duplex and full-duplex signals, according to IEEE802.3u standards. LED indicators signal the power status of the converter, UTP port speed, Link, and duplex status, FX port Link and duplex status. These stand-alone converters may also be concentrated into either the FMC-CH08 or FMC-CH17 chassis.

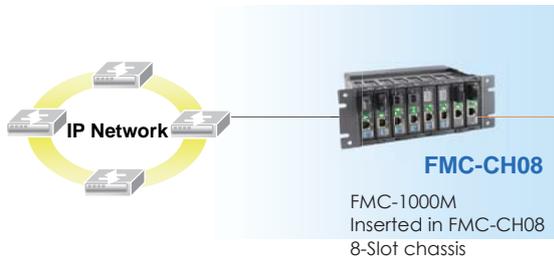
Features

- 10/100/1000BASE-T to 1000BASE-X Converter
- Auto-Cross over for MDI/MDIX in TP port
- Auto-Negotiation or Manual mode in TP port
- Support flow control Enable or Disable
- Support Jumbo Frame 9K Packet
- Ingress/Egress Bandwidth control
- Support 802.3ah-OAM/IP in-band management
- Firmware upgrade via Web
- Digital Diagnostic (DOM) SFP Support
- Management Password Setting
- Dying gasp (remote power failure detection)
- Support Link Fault Pass Through (LFP) Function
- Support Auto Laser Shutdown (ALS) Function
- Web management on stand-alone.
- Support D/D function for SFP fiber transceiver
- Support On-Line F/W upgrade (local) by the Web manager
- Support 16 Tag VLAN Group/ Q-in-Q
- RMON counters

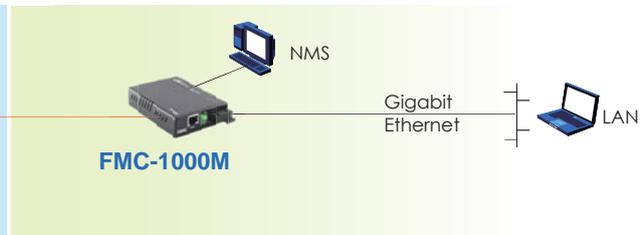
Specifications

Optical Interface	
Connector	1x9 (SC, ST, FC)
Data rate	1000Mbps
Duplex mode	Full duplex
Fiber	MM 50/125µm, 62.5/125µm. SM 9/125µm
Distance	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	RJ-45
Data rate	10Mbps, 100Mbps, 1000Mbps
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 IEEE 802.3ab, 802.3z
Indications	LED (Power, FX-Link, LAN Speed, LAN Link)
Power Input	Card : 12VDC Standalone : AC, DC options
Power Consumption	< 4W
Dimension	155 x 88 x 23mm (D x W x H)
Weight	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

Central Office (CO)



Customer Premise Equipment (CPE)



Ordering Information

Model Name	Description
FMC-1000M	10/100/1000Base-T to 1000Base-X web smart OAM/IP managed media converter

Connector Type Connectivity Distance

FMC - 1000M -

Example: FMC - 1000M - SC002

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