FMC-1000M

10/100/1000Base-T to 1000Base-X Web Smart OAM Managed Converter

The FMC-1000M family are Gigabit Ethernet 10/100/1000Base-T to 1000Base-X Web Smart OAM/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. Auto-negotiation will automatically tailor 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.

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
- Supports flow control Enable or Disable
- Web management on stand-alone.
- Supports 802.3ah-OAM/IP in-band management
- Supports Jumbo Frame 9K Packet, Ingress/Egress Bandwidth control
- Supports Link Fault Pass Through (LFP) and Auto Laser Shutdown (ALS)
- Firmware upgrade via Web, Dying gasp (remote power failure detection)
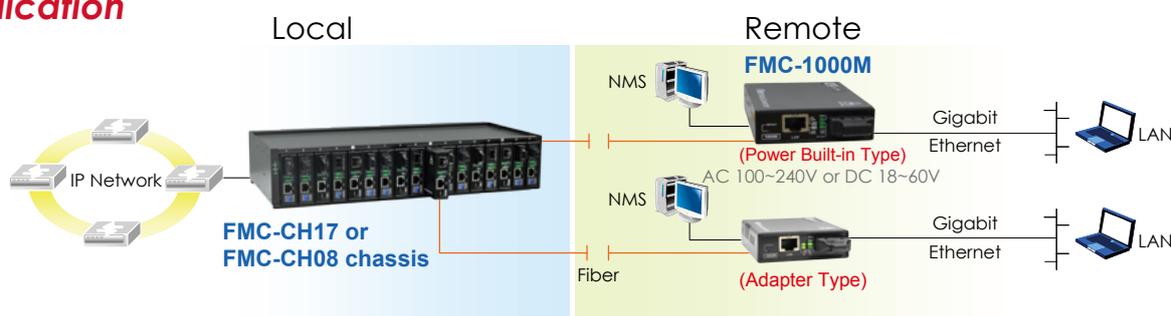
FMC-1000M-AD

- Metal Chassis
- Power built-in type: AC + DC
- Dimension: 198x 135x 308mm (DxWxH)

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 550m, SM 20/40km
		WDM 20/40km
	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
Standards		IEEE 802.3, IEEE 802.3u IEEE 802.3ab, 802.3z

Indications	LED (Power, FX-Link, LAN Speed, LAN Link)
Power Input	Adapter Type: DC 12V
	Power Built-in Type : AC 100 ~ 240V, DC 18 ~ 60V
Power Consumption	< 3W
Dimensions (D x W x H)	Adapter Type : 108 x 73.4 x 23mm (FMC-1000M)-Plastic
	Power Built-in Type : 135 x 73.4 x 23mm (FMC-1000M-AC or DC)-Plastic 198 x 135 x 308mm (FMC-1000M-AD)-Metal
Weight	Adapter Type : 120g (FMC-1000M)
	Power Built-in Type : 140g (FMC-1000M-AC or DC) 1.2kg (FMC-1000M-AD)
Temperature	0 ~ 50℃ (Operating), -10 ~ 70℃ (Storage)
Humidity	10 ~ 90% non-condensing
Certification	CE, FCC, RoHS compliant
MTBF	65,000 hrs

Application

Local

Remote

FMC-1000M

NMS

Gigabit Ethernet

LAN

(Power Built-in Type)
AC 100~240V or DC 18~60V

IP Network

FMC-CH17 or FMC-CH08 chassis

NMS

Fiber

Gigabit Ethernet

LAN

(Adapter Type)

Ordering Information

Model Name	Description
FMC-1000M	10/100/1000Base-T to 1000Base-X Web Smart OAM/IP Managed Media Converter Adapter Type
FMC-1000M-AC, DC	10/100/1000Base-T to 1000Base-X Web Smart OAM/IP Managed Media Converter with AC or DC Power
FMC-1000M-AD	10/100/1000Base-T to 1000Base-X Web Smart OAM/IP Managed Media Converter with AD Power
Connector Type	Connectivity Distance

Connector Type	Connectivity Distance					
SC	N/M	001: 500m	002: 2km	S/M	010: 10km	020: 20km
						040: 40km
	BiDi	20A: WDM 20km A type		20B: WDM 20km B type		
		40A: WDM 40km A type		40B: WDM 40km B type		
		80A: WDM 80km A type		80B: WDM 80km B type		
		120A: WDM 120km A type		120B: WDM 120km B type		

Power Type

FMC − 1000M − ☐☐

Example: FMC − 1000M − DC