FMC-1000M

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

NEW

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. 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. The stand-alone adapter type converter may also be concentrated into FMC-CH17 chassis.
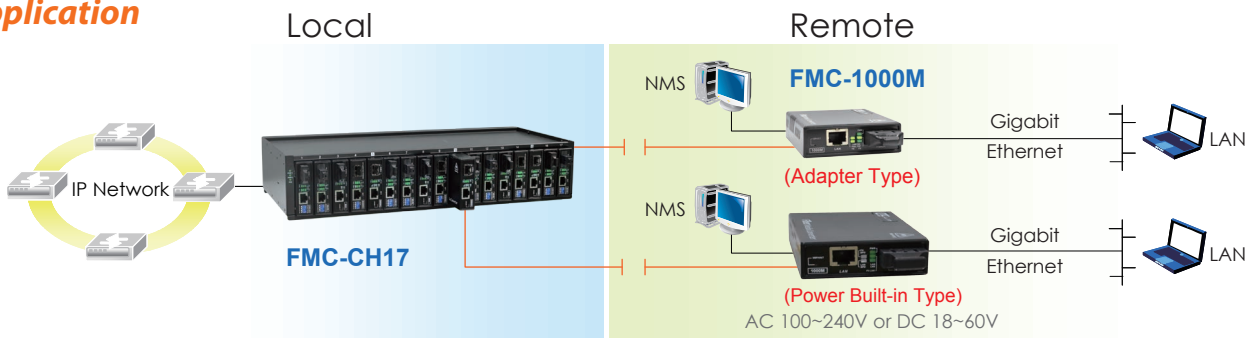
Features

- 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

- 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 On-Line F/W upgrade (local) by the Web manager
- Support 16 Tag VLAN Group
- 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 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
	Power Built-in Type : DC 18 ~ 60V
Power Consumption	< 3W
Dimensions (D x W x H)	Adapter Type : 108 x 73.4 x 23mm
	Power Built-in Type : 135 x 73.4 x 23mm
Weight	Adapter Type : 120g
	Power Built-in Type : 140g
Temperature	0 ~ 50°C (Operating), -10 ~ 70°C (Storage)
Humidity	10 ~ 90% non-condensing
Certification	CE, FCC, RoHS compliant
MTBF	65,000 hrs

Application

Local

Remote

NMS   **FMC-1000M**

IP Network

FMC-CH17

NMS

Gigabit Ethernet   LAN

(Adapter Type)

Gigabit Ethernet   LAN

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

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-WM	10/100/1000Base-T to 1000Base-X web smart OAM/IP managed media converter Adapter Type with Wall Mount Kits
FMC-1000M-WM-AC, DC	10/100/1000Base-T to 1000Base-X web smart OAM/IP managed media converter with AC or DC Power and Wall Mount Kits

Connector Type	Connectivity Distance		
SC, ST, FC	001: 550m	020: 20km	040: 40km
	20A: WDM 20km B type	40A: WDM 40km A type	
	20B: WDM 20km B type	40B: WDM 40km B type	

Wall-Mount Type   Non Wall-Mount Type

Power Type

FMC – 1000M – ☐☐

Example: **FMC – 1000M – DC**

Specifications & design are subject to change without prior notice. Please visit CTC Union website for more details.