FMC-100M

10/100Base-TX to 100Base-FX
Web Smart OAM Managed Converter

The FMC-100M family are Web Smart OAM/IP based managed Fast Ethernet 10/100Base-TX to 100Base-FX 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-100M media converters give you the options to choose from the most popular fiber cabling connectors, ST, SC, FC, or SFP-LC. 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 IEEE 802.3u 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.
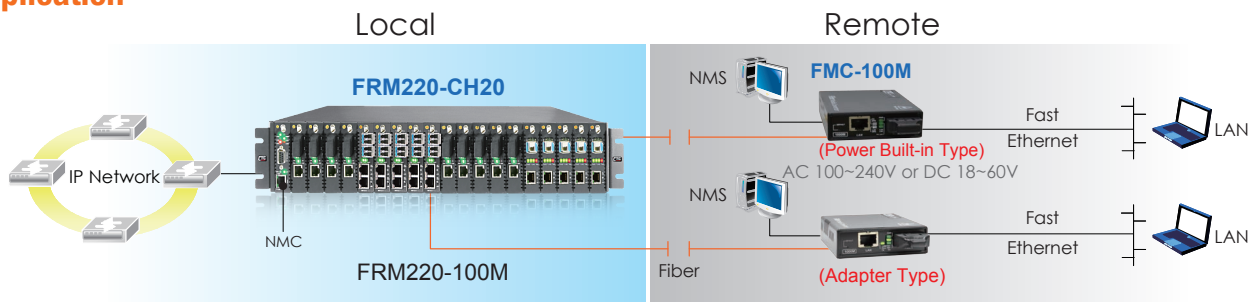
Features

- 10/100Base-TX to 100Base-FX 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)
- Supports 16 Tag VLAN Group

Specifications

Optical Interface	Connector	1x9 (SC, ST, FC)
	Data rate	100Mbps
	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	WDM 1310Tx/1550Rx (Type A)
		1550Tx/1310Rx (Type B)
Electrical Interface	Connector	RJ-45
	Data rate	10Mbps, 100Mbps
	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, 802.1Q

Indications	LED (Power, FX-Link, LAN Speed, LAN Link)
Power Input	Adapter Type: DC 12V In
	Power Built-in Type : DC 18 ~ 60W, AC: 100~240V
Power Consumption	< 4W
Dimensions (D x W x H)	Adapter Type : 108 x 73.4 x 23mm (FMC-100M)-Plastic
	Power Built-in Type : 135 x 73.4 x 23mm (FMC-100M-AC or DC)-Plastic
Weight	Adapter Type : 120g (FMC-100M)
	Power Built-in Type : 140g (FMC-100M-AC or DC)
Temperature	0 ~ 50℃ (Operating), -10 ~ 70℃ (Storage)
Humidity	10 ~ 90% non-condensing
Certification	CE, FCC, RoHS compliant
MTBF	65,000 hrs

Application

Ordering Information

Model Name	Description
FMC-100M	10/100Base-TX to 100Base-FX Web Smart OAM/IP Managed Media Converter Adapter Type
FMC-100M-AC, DC	10/100Base-TX to 100Base-FX Web Smart OAM/IP Managed Media Converter with AC or DC Power

Connector Type	Connectivity Distance
SC, ST, FC	002: 2km 015: 15km 030: 30km
	20A: WDM 20km A type 20B: WDM 20km B type 40A: WDM 40km A type 40B: WDM 40km B type

Power Type

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Example: FMC − 100M − DC