

# FMC-100M

10/100Base-TX to 100Base-FX

Web Smart OAM Managed Converter



The FMC-100M family are Fast Ethernet 10/100Base-TX to 100Base-FX 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-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 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

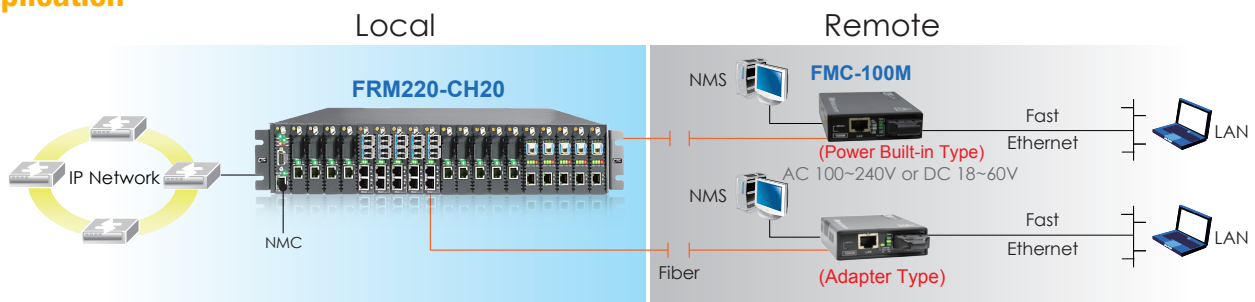
- 10/100Base-TX to 100Base-FX Converter
- Auto-Cross over for MDI/MDIX in TP port
- Auto-Negotiation or Manual mode in TP port
- Supports flow control Enable or Disable
- Web management on stand-alone
- Supports 802.3ah-OAM/IP in-band management
- Supports Jumbo Frame 9K Packet, Ingress/Egress Bandwidth 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

<b>Optical Interface</b>	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)
<b>Electrical Interface</b>	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
<b>Standards</b>	IEEE 802.3, IEEE 802.3u, 802.1Q	

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

## Application



## Ordering Information

Model Name	Description
<b>FMC-100M</b>	10/100Base-TX to 100Base-FX Web Smart OAM/IP Managed Media Converter Adapter Type
<b>FMC-100M-AC, DC</b>	10/100Base-TX to 100Base-FX Web Smart OAM/IP Managed Media Converter with AC or DC Power
Connector Type	Connectivity Distance
<b>SC, ST, FC</b>	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  
**FMC - 100M - ☐ ☐**  
 Example: FMC - 100M - DC