



# FMC-10/100

## 10/100Base-TX to 100Base-FX Media Converter

The FMC-10/100 family are Fast Ethernet 10/100Base-TX to 100Base-FX non-managed stand-alone media converters, which give you the options to choose from the most popular fiber cabling connectors, ST, SC or FC. 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 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.

### Features

- 10/100Base-TX to 100Base-FX Converter
- Auto-Negotiation or forced mode
- Auto MDI/MDIX
- Forward 1600 bytes (Max.) packets
- Supports flow control (Pause)
- Supports Link Fault Pass-Through (LFPT)
- Supports Far End Fault Indication (FEFI)
- Forward 9K jumbo packets in converter mode (100M/Full)
- May be concentrated into FMC-CH17 or FMC-CH08 chassis (Adapter Type only)

### Standalone Option

#### Adapter Type



Dimension: 96.5×23×73.4mm(W×D×H)  
(Plastic)



DC Type  
(12V Power Jack)



▲ Module for FMC-CH17/CH08 Chassis

#### Power Built-in Type



Dimension: 145×27×87mm(W×D×H)  
(Metal)

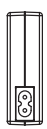
Power Switch



AC Type  
(100-240V)



Dimension: 135×23×73.4mm(W×D×H)  
(Plastic)



AC Type  
(100-240V)

### Specifications

<b>Optical Interface</b>	Connector	1x9 (SC, ST, FC)
	Data rate	125Mbps
	Duplex mode	Full duplex
	Fiber	MM 50/125μm, 62.5/125μm SM 9/125μm
	Distance	MM 2km, SM 15/30km WDM 20/40km
	Wavelength	MM 1310nm, SM 1310, 1550nm 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, cat.6 100Base-TX Cat.5, 5e or cat.6
<b>Standards</b>	IEEE 802.3, IEEE 802.3u	
<b>Indications</b>	LED (Power, FX Link, TX SPD, TX Link, TX Duplex, FEF)	
<b>Power Input</b>	Adapter Type: DC 12V	
	Power Built-in Type: AC 100 ~ 240V	
	Power Built-in Type: DC 18 ~ 60V	

<b>Power Consumption</b>	< 2W	
<b>Dimensions (W×D×H)</b>	Adapter Type :	96.5 × 23 × 73.4mm
	Power Built-in Type :	135 × 23 × 73.4mm (Plastic) 145 × 27 × 87mm (Metal)
<b>Weight</b>	Adapter Type :	120g
	Power Built-in Type :	140g (Plastic) 550g (Metal)
<b>Humidity</b>	10 ~ 90% non-condensing	
<b>Certification</b>	CE, FCC	
<b>MTBF</b>	65,000 hrs	

## Application

Figure 1: As Rack Module with Remote

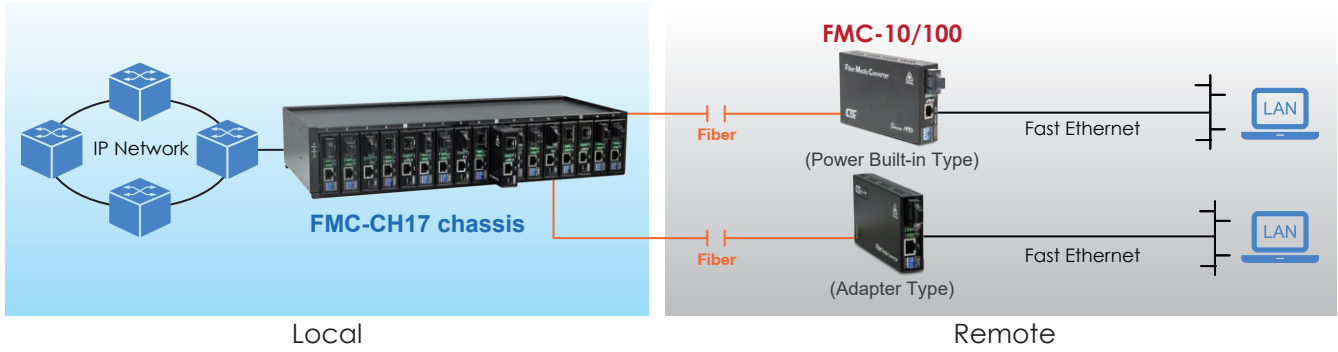
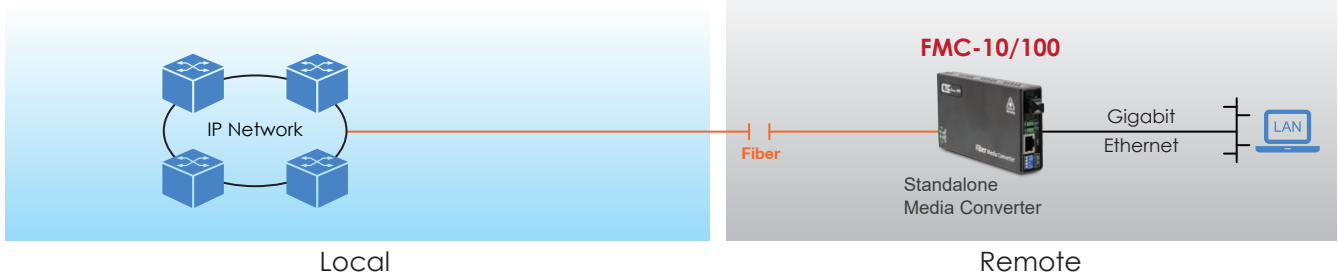


Figure 2: As Standalone Managed Converter



## Ordering Information

Model Name	Description
FMC-10/100	10/100Base-TX to 100Base-FX Non-managed media converter adapter type, plastic case
FMC-10/100-AC	10/100Base-TX to 100Base-FX Non-managed media converter with AC power, plastic case
FMC-10/100-AC-M	10/100Base-TX to 100Base-FX Non-managed media converter with AC power, metal case
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 80A: WDM 80km A type 80B: WDM 80km B type 120A: WDM 120km A type 120B: WDM 120km B type

## Optional Accessory

Model Name	Description
WMK01	Single unit wall mounting kit

