



## FMC-10/100

### 10/100Base-TX to 100Base-FX Fast Ethernet 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 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

- 10/100Base-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)
- Concentrated into FMC-CH17 or FMC-CH08 chassis (FMC-10/100 Adapter type only)

### 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
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

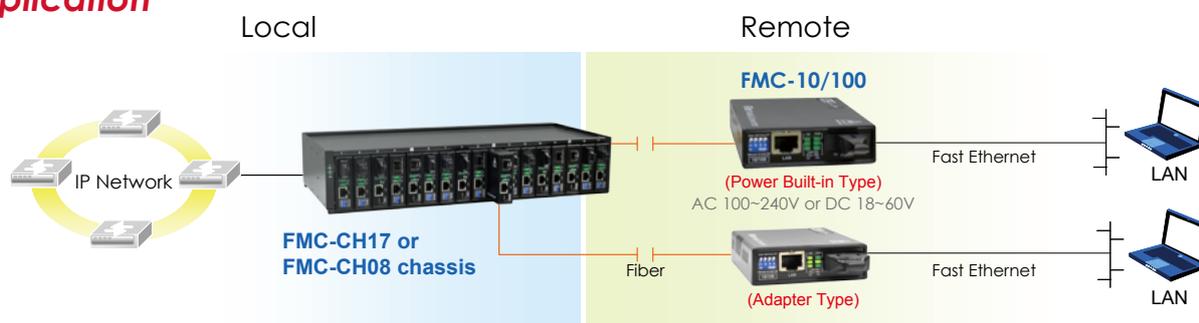
### FMC-10/100-AD



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

<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>	< 3W
<b>Dimensions (D x W x H)</b>	108x 73.4x 23mm (FMC-10/100)-Plastic
	135x 73.4x 23mm (FMC-10/100-AC, FMC-10/100-DC)-Plastic
	198x 135x 308mm (FMC-10/100-AD)-Metal
<b>Weight</b>	120g (FMC-10/100)
	140g (FMC-10/100-AC, FMC-10/100-DC)
	600g (FMC-10/100-AD)
<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-10/100</b>	10/100Base-TX to 100Base-FX FE Non-Managed Media Converter Adapter Type
<b>FMC-10/100-AC</b>	10/100Base-TX to 100Base-FX FE Non-Managed Media Converter with AC Power
<b>FMC-10/100-DC</b>	10/100Base-TX to 100Base-FX FE Non-Managed Media Converter with DC Power
<b>FMC-10/100-AD</b>	10/100Base-TX to 100Base-FX FE Non-Managed Media Converter with AD 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 80A: WDM 80km A type 80B: WDM 80km B type 120A: WDM 120km A type 120B: WDM 120km B type

Power Type  
**FMC - 10/100 - □□**  
 Example: FMC - 10/100 - DC