



# 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.

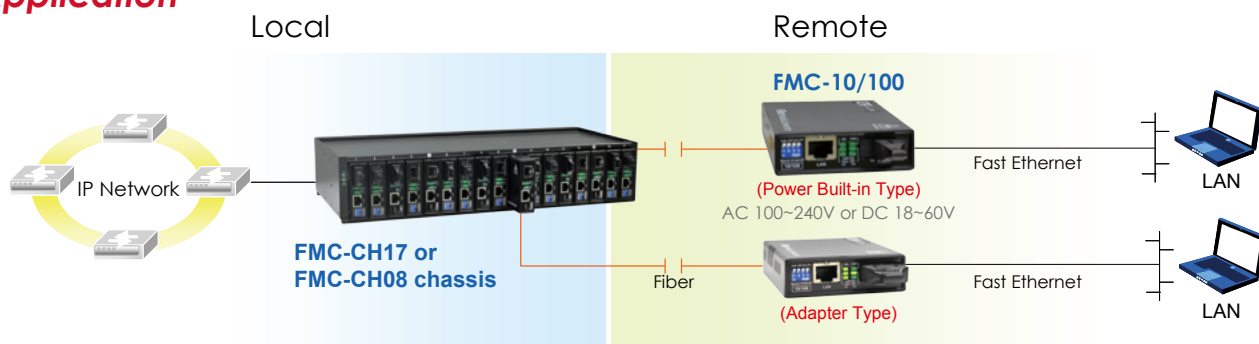
### Features

- 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)	<b>Standards</b>	IEEE 802.3, IEEE 802.3u	
	Data rate	125Mbps		<b>Indications</b>	LED (Power, FX Link, TX SPD, TX Link, TX Duplex, FEF)
	Duplex mode	Full duplex			<b>Power Input</b>
	Fiber	MM 50/125µm, 62.5/125µm SM 9/125µm		<b>Power Consumption</b>	
	Distance	MM 2km, SM 15/30km WDM 20/40km			<b>Dimensions (D x W x H)</b>
	Wavelength	MM 1310nm, SM 1310, 1550nm WDM 1310Tx/1550Rx (Type A) 1550Tx/1310Rx (Type B)		<b>Weight</b>	
<b>Electrical Interface</b>	Connector	RJ-45	<b>Temperature</b>	0 ~ 50°C (Operating), -10 ~ 70°C (Storage)	
	Data rate	10Mbps, 100Mbps	<b>Humidity</b>	10 ~ 90% non-condensing	
	Duplex mode	Half / Full duplex	<b>Certification</b>	CE, FCC, RoHS compliant	
	Cable	10Base-T Cat.3, 4, 5, cat.6 100Base-TX Cat.5, 5e or cat.6	<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
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 - AC