



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 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.

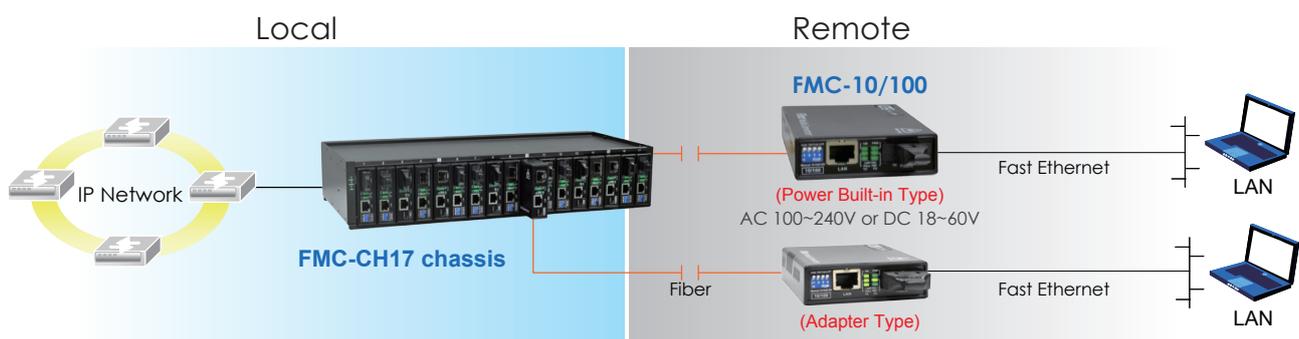
Feature

- 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 chassis (FMC-10/100 Adapter type only)

Specifications

Optical Interface	Connector	1x9 (SC, ST, FC)	Standards	IEEE 802.3, IEEE 802.3u	
	Data rate	125Mbps		Indications	LED (Power, FX Link, TX SPD, TX Link, TX Duplex, FEF)
	Duplex mode	Full duplex			Power Input
	Fiber	MM 50/125µm, 62.5/125µm SM 9/125µm		Power Built-in Type: AC 100 ~ 240V	
	Distance	MM 2km, SM 15/30km WDM 20/40km		Power Built-in Type: DC 18 ~ 60V	
	Wavelength	MM 1310nm, SM 1310, 1550nm WDM 1310Tx/1550Rx (Type A) 1550Tx/1310Rx (Type B)		Power Consumption	< 2W
	Electrical Interface	Connector		RJ-45	Dimensions (D x W x H)
Data rate		10Mbps, 100Mbps	Power Built-in Type: 135 x 23 x 73.4mm		
Duplex mode		Half / Full duplex	Weight	Adapter Type: 120g	
Cable		10Base-T Cat.3, 4, 5, cat.6 100Base-TX Cat.5, 5e or cat.6		Power Built-in Type: 140g	
Temperature		0 ~ 50°C (Operating), -10 ~ 70°C (Storage)			
Humidity	10 ~ 90% non-condensing				
Certification	CE, FCC				
MTBF	65,000 hrs				

Application



Ordering Information

Model Name	Description
FMC-10/100	10/100Base-TX to 100Base-FX Non-Managed Media Converter Adapter Type
FMC-10/100-AC	10/100Base-TX to 100Base-FX Non-Managed Media Converter with AC Power
FMC-10/100-DC	10/100Base-TX to 100Base-FX 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