



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

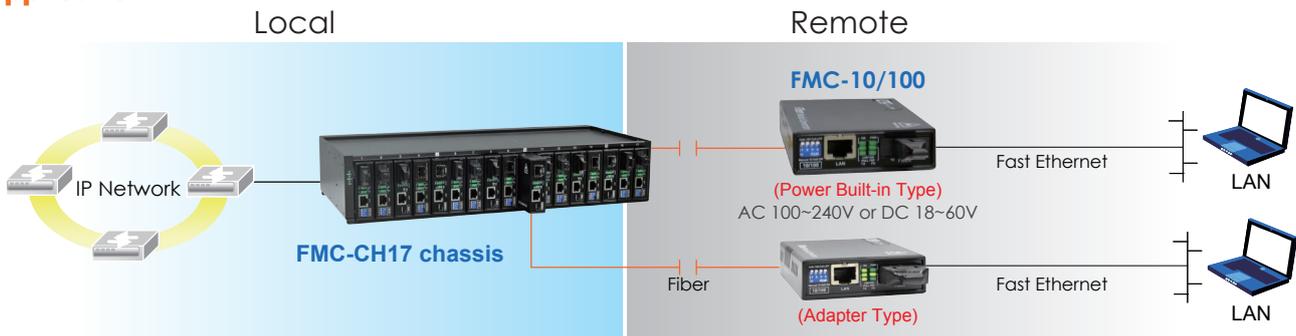
- 10/100Base-TX to 100Base-FX Converter
- Auto-Negotiation or forced mode
- Auto MDI/MDIX
- Forward 1600 bytes (Max.) packets
- Supports flow control (Pause)
- Supports Link Fault Pass-Through (LFPT)
- Supports Far End Fault Indication (FEFI)
- Forward 9K jumbo packets in converter mode (100M/Full)
-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

Specifications

Optical Interface		
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)
Electrical Interface		
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

Standards	IEEE 802.3, IEEE 802.3u
Indications	LED (Power, FX Link, TX SPD, TX Link, TX Duplex, FEF)
Power Input	Adapter Type: DC 12V Power Built-in Type: AC 100 ~ 240V Power Built-in Type: DC 18 ~ 60V
Power Consumption	< 2W
Dimensions (D x W x H)	Adapter Type: 108 x 23 x 73.4mm Power Built-in Type: 135 x 23 x 73.4mm
Weight	Adapter Type: 120g 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