Non-Managed Fast Ethernet Fiber Converter

FMC-10/100

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. When auto-negotiation is selected, these units will automatically tailor themselves 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. These stand-alone converters may also be concentrated into either the FMC-CH08 or FMC-CH17 non-managed chassis.
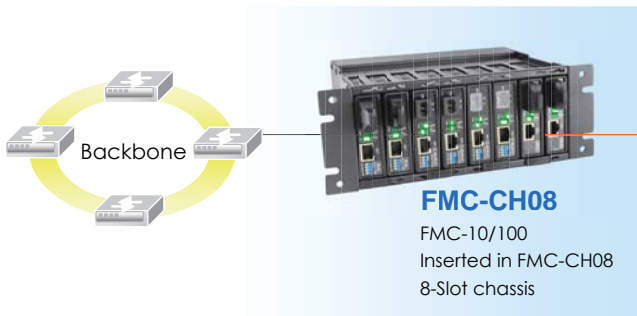
Specifications

Optical Interface	Connector	1x9 (SC, ST, FC)
	Data rate	100Mbps
	Duplex mode	Full duplex
	Fiber	MM 50/125μm, 62.5/125μm. SM 9/125μm
	Distance	MM 2km, SM 15/30/50/80/120km, WDM 20/40/60/80km
	Wavelength	WDM 1310Tx/1550Rx (type A) 1550Tx/1310Rx (type B)
Electrical Interface	Connector	RJ-45
	Data rate	10Mbps, 100Mpbs
	Duplex mode	Half / Full duplex
	Cable	10Base-T Cat.3, 4, 5, UTP, 100Base-TX Cat.5, 5e or higher
Standard		IEEE 802.3, IEEE 802.3u
Indications		LED (Power, FX Link, TX SPD, TX Link, TX Duplex, FEF)
Power Input		FMC: DC 12V In,
Power Consumption		< 4W
Dimension		FMC: 108 x 74 x 23mm (D x W x H)
Weight		FMC: 0.12kg, FMC-AC/DC: 0.55kg
Temperature		0 ~ 60°C (Operating), -10 ~ 70°C (Storage)
Humidity		10 ~ 90% non-condensing
Certification		CE, FCC, RoHS
MTBF		65,000 hrs

Features

- 10/100Base-TX to 100Base-FX Converter
- Auto-Negotiation or forced mode
- Auto MDI/MDIX
- Forward 1600 bytes (Max.) packets
- Supports Q in Q double tagged frame transparent
- Supports IEEE 802.1q Tag VLAN pass thru
- Support flow control (Pause)
- Supports Link Fault Pass through (LFP)
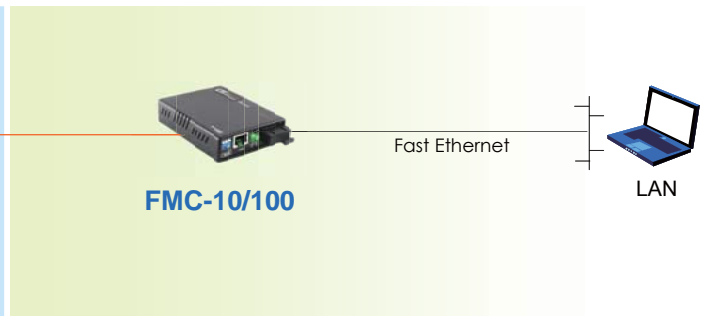- Forward 9K jumbo packets in converter mode

Central Office (CO)

Customer Premise Equipment (CPE)

Backbone

FMC-CH08
FMC-10/100
Inserted in FMC-CH08
8-Slot chassis

FMC-10/100

Fast Ethernet

LAN

Ordering Information

Model Name	Description
FMC-10/100	10/100Base-TX to 100Base-FX Non-managed media converter

Connector Type   Connectivity Distance

FMC – 10/100 – ☐☐☐☐☐

Example: FMC – 10/100 – SC002

Connector Type	Connectivity Distance
SC, S T , FC	002: 2km 015: 15km 030: 30km 050: 50km 080: 80km 120:120km
	20A: WDM 20km A type 20B: WDM 20km B type 40A: WDM 40km A type 40B: WDM 40km B type
	60A: WDM 60km A type 60B: WDM 60km B type 80A: WDM 80km A type 80B: WDM 80km B type