Non-Managed Family

Non-managed Fast Etherent to fiber media converter with PoE (802.3af PD)

FMC-10/100, 10/100-AC
FMC-10/100-DC, 10/100P

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, FC, or SFP-LC. 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.
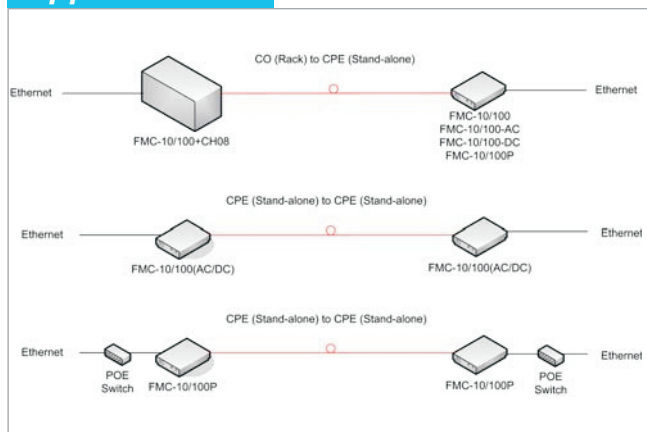
Features

- 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
- Supports 802.3af Power over Ethernet (only FMC-10/100P)

Application

Specifications

Ports	Connector :	1x9 (SC, ST, FC)
Optical Interface :	Data rate :	100Mbps
	Duplex mode :	Full duplex
	Cable type :	MM 62.2/125µm, 50/125µm. SM 9/125µm
	Distance:	MM 2km, SM 15/30/50/80/120km, WDM 20/40/60/80km
	Wavelength:	1310nm, 1550nm
Electrical Interface :	Connector :	RJ45
	Data rate :	10Mbps, 100Mpbs
	Duplex mode :	Half / Full duplex
	Cable type :	10Base-T Cat.3, 4, 5, UTP, 100Base-TX Cat.5, 5e
	Cable length:	100 meters
Standard		IEEE 802.3, IEEE 802.3u
LEDs		Power, FX Link, TX SPD, TX Link, TX Duplex, FEF
Power		FMC: DC 12V In, FMC-AC/DC: AC 100 ~ 240V/ DC 24 ~ 72V
Power Consumption		< 4W
Dimensions (D x W x H)mm		FMC: 108 x 74 x 23mm, FMC-AC/DC: 192 x 86 x 30mm
Weight		FMC: 120g, FMC-AC/DC: 550g
Temperature		0~50°C (Operating) ,0~70°C (Storage)
Humidity		10~90% non-condensing
Certification		CE, FCC, RoHS
MTBF		65,000 h (25°C)

Ordering Information

■	**FMC-10/100**	10/100Base-TX to 100Base-FX
■	**FMC-10/100-AC**	10/100Base-TX to 100Base-FX w/ built-in AC power
■	**FMC-10/100-DC**	10/100Base-TX to 100Base-FX w/ built-in DC power
■	**FMC-10/100P**	10/100Base-TX to 100Base-FX w/ Power over Ethernet