FMC-1001S

10/100/1000Base-T to 100/1000Base-X SFP Media Converter

The FMC-1001S family are Gigabit Ethernet 10/100/1000Base-T to 100/1000Base-X non-managed stand-alone media converters, which give you the fiber cabling connectors, LC with SFP module. Pluggable SFP are available in both multi-mode and single mode types as well as BiDi which allows bi-directional transmissions using only a single fiber cable. Auto-negotiation will automatically tailor to convert full-duplex signals, according to IEEE802.3u standards. LED indicators signal the power status of the converter, UTP port speed and Link status FX port speed and Link status.
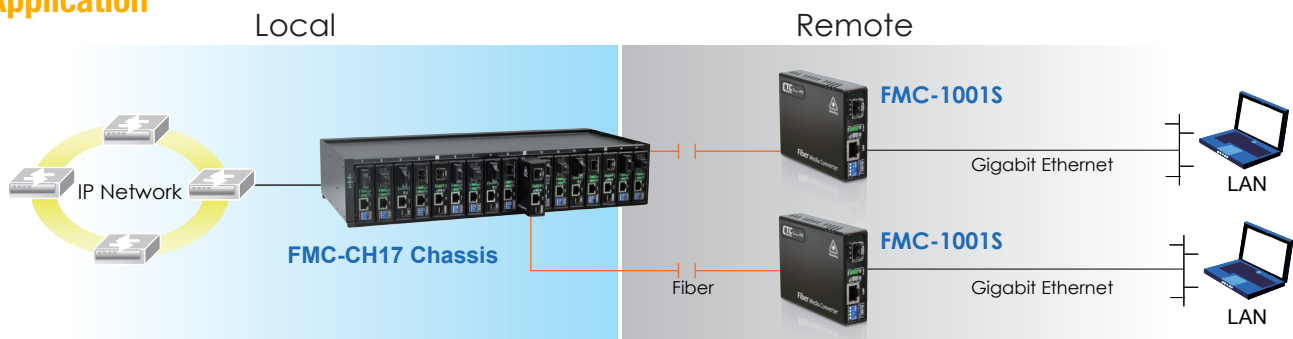
Features

- 10/100/1000Base-T to 100/1000Base-X Converter
- Auto-Negotiation
- Auto MDI/MDIX
- Forward 2048 bytes (Max.) packets in switch mode (copper & fiber port in different speed)
- Forward 9k bytes in connector mode (fiber & copper port at the same speed)

- Provides DIP switch to set function
  - Select fiber speed (100/1000M)
  - Select LPF enable / disable
  - Flow control enable / disable
- Supports Q in Q double tagged frame transparent
- Supports IEEE 802.1Q Tag VLAN pass thru
- Concentrated into FMC-CH17 chassis

Specifications

Optical Interface	Connector	SFP LC
	Data rate	1.25G / 125M
	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, 1000Mbps
	Duplex mode	Full duplex
	Cable	100Base-TX Cat.5, 5e or higher
		1000Base-T Cat.5, 5e or higher
DIP Switch	Fiber Speed	100M/1000M
	LFP Fiber	Enable/Disable
	LFP Copper	Enable/Disable
	Flow Control	On/Off

Standards	IEEE 802.3, 802.3u, 802.3x, 802.3Z, 802,3ab
Indications	LED (Power, FX Link, FX SPD, TX SPD, TX Link)
Power Input	Adapter Type: DC 12V
	Power Built-in Type : AC 100 ~ 240V
	Power Built-in Type: DC 18 ~ 60V
Power Consumption	< 3W
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

Local   Remote

IP Network

FMC-CH17 Chassis

FMC-1001S

Gigabit Ethernet

LAN

Fiber

FMC-1001S

Gigabit Ethernet

LAN

Ordering Information

Model Name	Description
FMC-1001S	10/100/1000Base-T to 100/1000Base-X SFP Non-managed Media Converter Adapter Type