



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 IEEE 802.3u standards. LED indicators signal the power status of the converter, UTP port speed and Link status FX port speed and Link status.

Features

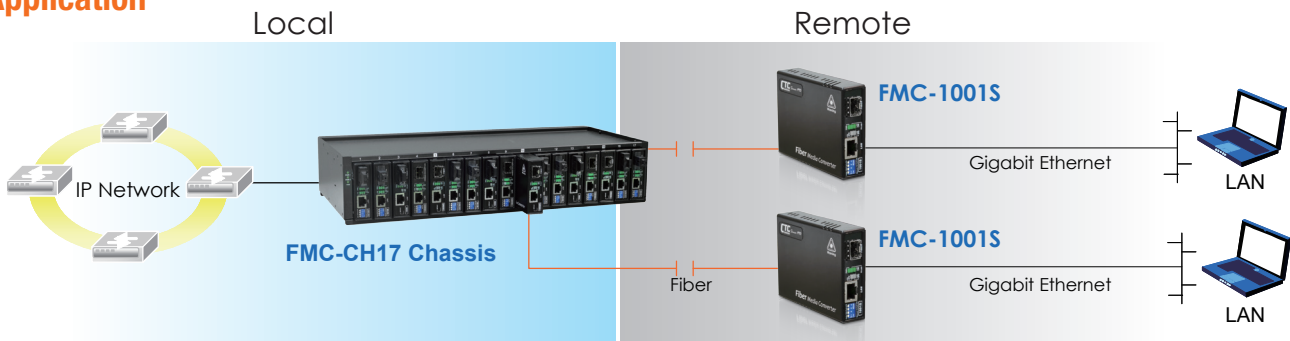
- 10/100/1000Base-T to 100/1000Base-X Converter
- Auto-Negotiation
- Auto MDI/MDIX
- Forward 2048 bytes (Max.) packets in switch mode (copper & fiber port in different speed)
- Forward 9k bytes in connector mode (fiber & copper port at the same speed)
- Provides DIP switch to set function
 - Select fiber speed (100/1000M)
 - Select LFP enable / disable
 - Flow control enable / disable
- Supports transparent Q in Q double tagged frame
- Supports IEEE 802.1Q Tag VLAN pass thru
- May be 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	120g	
Temperature	0 ~ 50°C (Operating), -10 ~ 70°C (Storage)	
	Humidity 10 ~ 90% non-condensing	
Humidity	10 ~ 90% non-condensing	
Certification	CE, FCC	
MTBF	65,000 hrs	

Application



Ordering Information

Model Name	Description
FMC-1001S	10/100/1000Base-T to 100/1000Base-X SFP media converter (Adapter Type)