

## 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 16k bytes in converter 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 (Adapter Type only)
- Supports store and forward switch mode

### Standalone Option

#### Adapter Type



Dimension: 96.5×23×73.4mm(W×D×H)



DC Type (12V Power Jack)



▲ Module for FMC-CH17 Chassis

#### Power Built-in Type



Dimension: 135×23×73.4mm(W×D×H)



AC Type (100-240V)

### Specifications

<b>Optical Interface</b>	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)
<b>Electrical Interface</b>	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
<b>DIP Switch</b>	Fiber Speed	100M/1000M
	LFP Fiber	Enable/Disable
	LFP Copper	Enable/Disable
	Flow Control	On/Off

# Compact Media Converter

<b>Standards</b>	IEEE 802.3, 802.3u, 802.3x, 802.3Z, 802.3ab
<b>Indications</b>	LED (Power, FX Link, FX SPD, TX SPD, TX Link, FDX)
<b>Power Input</b>	Adapter Type: DC 12V Power Built-in Type: AC 100~240V
<b>Power Consumption</b>	< 3W
<b>Enclosure</b>	Plastic
<b>Dimensions (W×D×H)</b>	Adapter Type: 96.5 × 23 × 73.4mm Power Built-in Type : 135 × 23 × 73.4mm
<b>Weight</b>	Adapter Type : 120g Power Built-in Type : 140g
<b>Temperature</b>	0 ~ 50°C (Operating), -10 ~ 70°C (Storage)
<b>Humidity</b>	10 ~ 90% non-condensing
<b>Certification</b>	CE, FCC
<b>MTBF</b>	65,000 hrs

## Application

Figure 1: As Rack Module with Remote

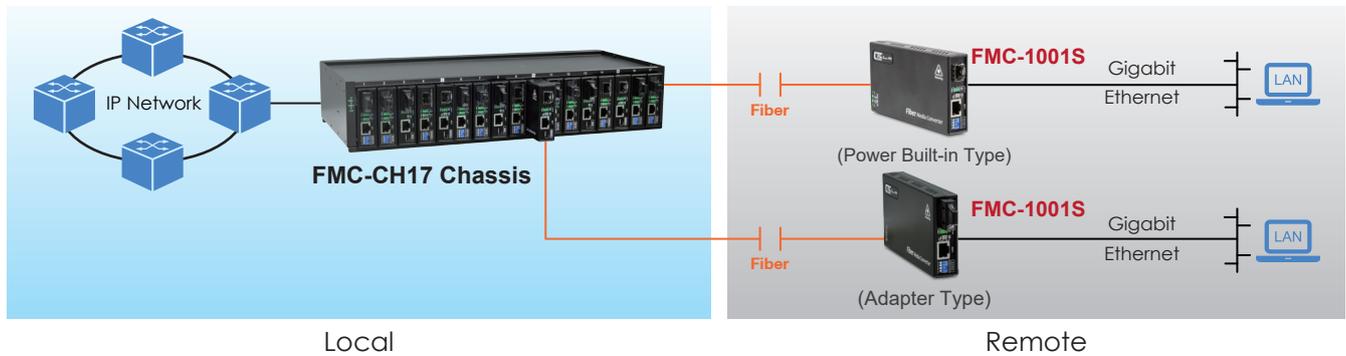
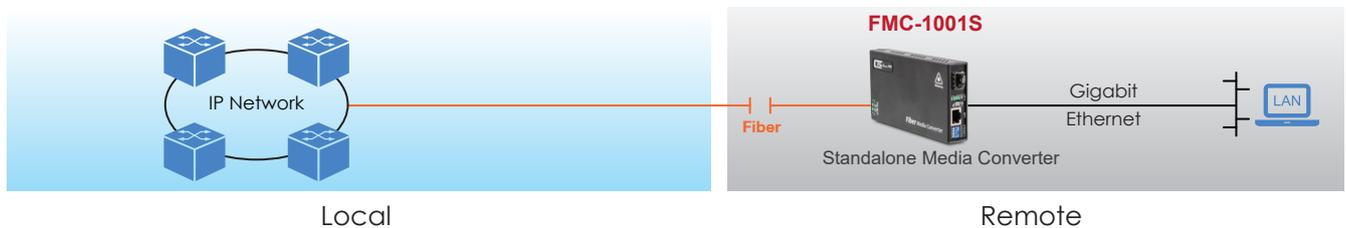


Figure 2: As Standalone Media Converter



## Ordering Information

Model Name	Description
FMC-1001S	10/100/1000Base-T to 100/1000Base-X SFP media converter with adapter, plastic case
FMC-1001S-AC	10/100/1000Base-T to 100/1000Base-X SFP media converter with AC power, plastic case

## Optional Accessory

Model Name	Description
WMK01	Single unit wall mounting kit

■ Wall-Mounting Kit

