

## 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<br>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<br>Power Built-in Type : 135 × 23 × 73.4mm |
| <b>Weight</b>             | Adapter Type : 120g<br>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

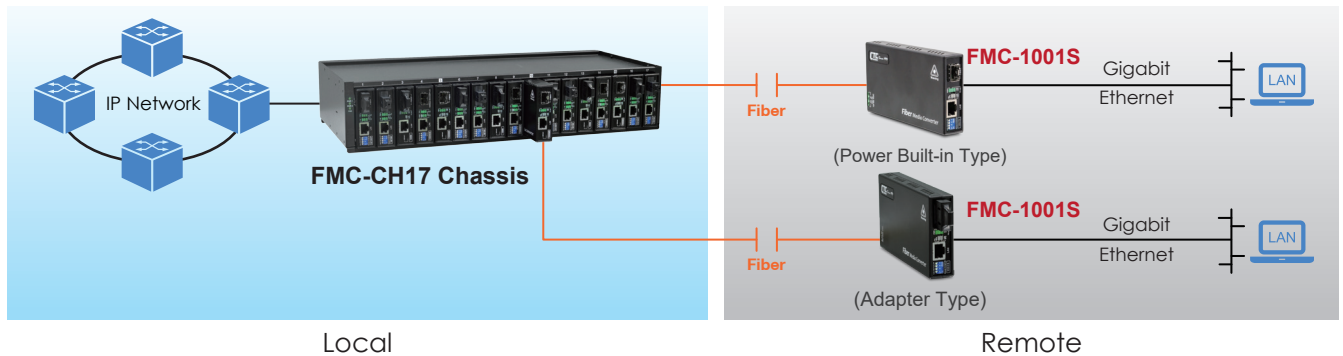
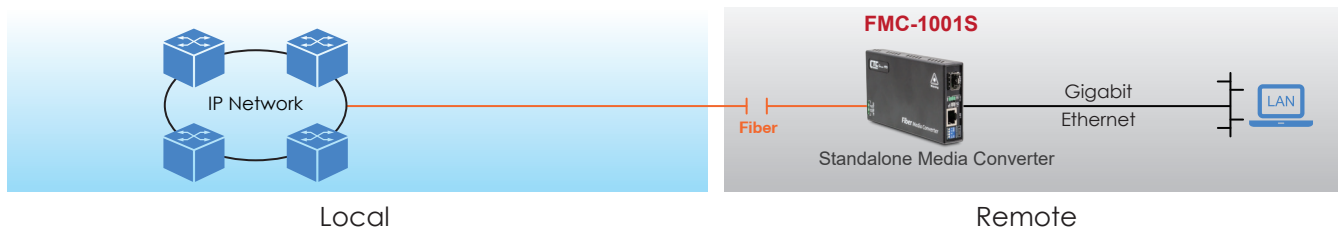


Figure 2: As Standalone Media Converter



## 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

