



## FMC-1000M

### 10/100/1000Base-T to 1000Base-X Web Smart OAM Managed Converter

The FMC-1000M family are Gigabit Ethernet 10/100/1000Base-T to 1000Base-X Web Smart OAM/IP based managed fiber media converters, which provide simple control and setting function on each Ethernet port through out of band network via a Web browser. The FMC-1000M media converters give you the fiber cabling connector, 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. Auto-negotiation will automatically tailor 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.

### Features

- 10/100/1000Base-T to 1000Base-X Converter
- Auto-Cross over for MDI/MDIX in TP port
- Auto-Negotiation or Manual mode in TP port
- Supports flow control Enable or Disable
- Web management on stand-alone.
- Supports 802.3ah-OAM/IP in-band management
- Supports Jumbo Frame 9K Packet, Ingress/Egress Bandwidth control
- Supports Link Fault Pass Through ( LFP ) and Auto Laser Shutdown (ALS)
- Firmware upgrade via Web, Dying gasp (remote power failure detection)
- Supports 16 Tag VLAN Group

### FMC-1000M-AD

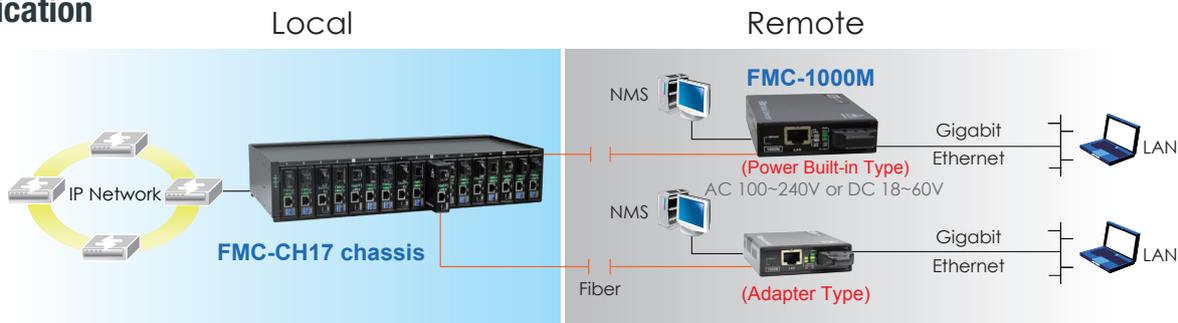
- Metal Chassis
- Power built-in type: AC + DC
- Dimension: 201 x 35 x 135mm (DxWxH)



### Specifications

|                               |                      |  |  |   |   |  |                               |  |                         |                      |                    |             |
|-------------------------------|----------------------|--|--|---|---|--|-------------------------------|--|-------------------------|----------------------|--------------------|-------------|
| <b>Optical Interface</b>      | Connector            | 1x9 (SC)   | <b>Standards</b>                               | IEEE 802.3, IEEE 802.3u IEEE 802.3ab, 802.3z, <b>802.1Q</b> |   |  |                               |  |                         |                      |                    |             |
|                               | Data rate            | 1000Mbps   |  | <b>Indications</b>  | LED (Power, FX-Link, FX Speed, LAN Speed, LAN Link)                     |  |                               |  |                         |                      |                    |             |
|                               | Duplex mode          | Full duplex  |  |   | <b>Power Input</b>  | Adapter Type: DC 12V                             |                               |  |                         |                      |                    |             |
|                               | Fiber                | MM 50/125µm, 62.5/125µm<br>SM 9/125µm  |  |   |   | Power Built-in Type : AC 100 ~ 240V, DC 18 ~ 60V |                               |  |                         |                      |                    |             |
|                               | Distance             | MM 550m, SM 20/40km<br>WDM 20/40km   |  |   |   | <b>Power Consumption</b>                         | < 4W                          |  |                         |                      |                    |             |
|                               | Wavelength           | MM 1310nm, SM 1310, 1550nm<br>WDM 1310Tx/1550Rx (Type A)<br>1550Tx/1310Rx (Type B) |  |   |   |  | <b>Dimensions (D x W x H)</b> | Adapter Type : 108 x 73.4 x 23mm (FMC-1000M)-Plastic |                         |                      |                    |             |
| <b>Electrical Interface</b>   | Connector            | RJ-45  | Power Built-in Type :                          |   |   |  |                               |  |                         |                      |                    |             |
|                               | Data rate            | 10Mbps, 100Mbps, 1000Mbps  | 135 x 23 x 73.4mm (FMC-1000M-AC or DC)-Plastic |   |   |  |                               |  |                         |                      |                    |             |
|                               | Duplex mode          | Half / Full duplex   | 201 x 35 x 135mm (FMC-1000M-AD)-Metal          |   |   |  |                               |  |                         |                      |                    |             |
|                               | Cable                | 10Base-T Cat.3, 4, 5, UTP<br>100Base-TX Cat.5, 5e or higher                        | <b>Weight</b>                                  | Adapter Type : 120g (FMC-1000M)                             |   |  |                               |  |                         |                      |                    |             |
|                               | <b>Standards</b>     | <b>Indications</b>   |  | <b>Power Input</b>  | Power Built-in Type : 140g (FMC-1000M-AC or DC)<br>1.2kg (FMC-1000M-AD) |  |                               |  |                         |                      |                    |             |
|                               |                      |  |  |   | <b>Power Consumption</b>  | <b>Dimensions (D x W x H)</b>                    | <b>Temperature</b>            | 0 ~ 50°C (Operating), -10 ~ 70°C (Storage)           |                         |                      |                    |             |
| <b>Dimensions (D x W x H)</b> |                      |  |  |   |   |  |                               | <b>Humidity</b>                                      | 10 ~ 90% non-condensing |                      |                    |             |
|                               |                      |  |  |   |   |  |                               |  | <b>Weight</b>           | <b>Certification</b> | CE, FCC            |             |
|                               |                      |  |  |   |   |  |                               |  |                         |                      | <b>Temperature</b> | <b>MTBF</b> |
|                               |                      |  | <b>Humidity</b>                                |   |   |  |                               |  |                         |                      |                    |             |
|                               | <b>Certification</b> | <b>MTBF</b>  |  |   |   |  |                               |  |                         |                      |                    |             |
|                               |                      |  |  | <b>MTBF</b>   | <b>MTBF</b>   |  |                               |  |                         |                      |                    |             |

### Application



### Ordering Information

| Model Name      | Description  |
|-----------------|--|
| FMC-1000M       | 10/100/1000Base-T to 1000Base-X Web Smart OAM/IP Managed Media Converter Adapter Type  |
| FMC-1000M-AC,DC | 10/100/1000Base-T to 1000Base-X Web Smart OAM/IP Managed Media Converter with AC or DC Power   |
| FMC-1000M-AD    | 10/100/1000Base-T to 1000Base-X Web Smart OAM/IP Managed Media Converter with AC + DC Power  |
| Connector Type  | Connectivity Distance  |
| SC              | 001: 550m 002: 2km S/M 010: 10km 020: 20km 040: 40km<br>20A: WDM 20km A type 20B: WDM 20km B type<br>40A: WDM 40km A type 40B: WDM 40km B type |

Power Type  
**FMC - 1000M** -    
 Example: FMC - 1000M - DC