



## Compact Ethernet Switch with In-Band Management

# FMC-2000M

Web Smart OAM Managed 10/100/1000Base-T to 100/1000Base-X GbE Switch

The FMC-2000M family are Web Smart OAM/IP managed Gigabit Ethernet 10/100/1000Base-T to 100/1000Base-X fiber Ethernet Switch/Converter, which provide simple control and setting function on each Ethernet port through in band network via a Web browser. The FMC-2000M Ethernet Switch/Converter gives you the fiber cabling connector, SC. Both multi-mode and single mode 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 IEEE 802.3u standards. LED indicators signal the power status of the Switch, UTP port speed, Link, and duplex status, FX port Link and duplex status.

## Features

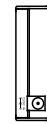
- 10/100/1000Base-T to 100/1000Base-X Ethernet Switch
- Auto-Cross over for MDI/MDIX in TP port
- Auto-Negotiation or Manual mode in TP port
- Supports flow control Enable or Disable
- Supports Jumbo Frame 16K Packet
- Ingress/Egress Bandwidth control
- Supports IEEE 802.3ah OAM management
- Supports SNMPv1
- Management Password Setting
- Dying gasp (remote power failure detection)
- Supports Link Fault Pass-Through ( LFPT ) Function
- Supports Auto Laser Shutdown (ALS) Function
- USB console port and Web management on stand-alone.
- Supports On-Line F/W upgrade (local) by the Web manager
- Supports 16 Tag VLAN Groups
- RMON counters
- May be concentrated into FMC-CH17 or FMC-CH08 chassis (Adapter Type only)
- May be used as a remote to FRM220-2000M
- Wall-Mountable

## Standalone Option

### Adapter Type



Dimension: 96.5×23×73.4mm(W×D×H)  
(Plastic)



DC Type  
(12V Power Jack)



▲ Module for FMC-CH17/CH08 Chassis

### Power Built-in Type



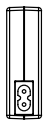
Dimension: 145×27×87mm(W×D×H)  
(Metal)



AC Type  
(100-240V)



Dimension: 135×23×73.4mm(W×D×H)  
(Plastic)



AC Type  
(100-240V)

## Specifications

<b>Optical Interface</b>	Connector	SC	
	Data rate	125/1250Mbps	
	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	Half / Full duplex	
	Cable		10Base-T Cat.3, 4, 5, UTP
			100Base-TX Cat.5, 5e or higher
<b>Standards</b>	IEEE 802.3, IEEE 802.3u IEEE 802.3ab, 802.3z, 802.1Q		
<b>Indications</b>	LED (Power, FX-Link, LAN Speed, LAN Link)		
<b>Power Input</b>	Adapter Type:	DC 12V	
	Power Built-in Type :	AC 100 ~ 240V	

<b>Power Consumption</b>	< 3W
<b>Dimensions (W×D×H)</b>	Adapter Type : 96.5 × 23 × 73.4mm
	Power Built-in Type: 135 × 23 × 73.4mm (Plastic) 145 × 27 × 87mm (Metal)
<b>Weight</b>	Adapter Type : 120g
	Power Built-in Type : 140g (Plastic)
	TBD (Metal)
<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

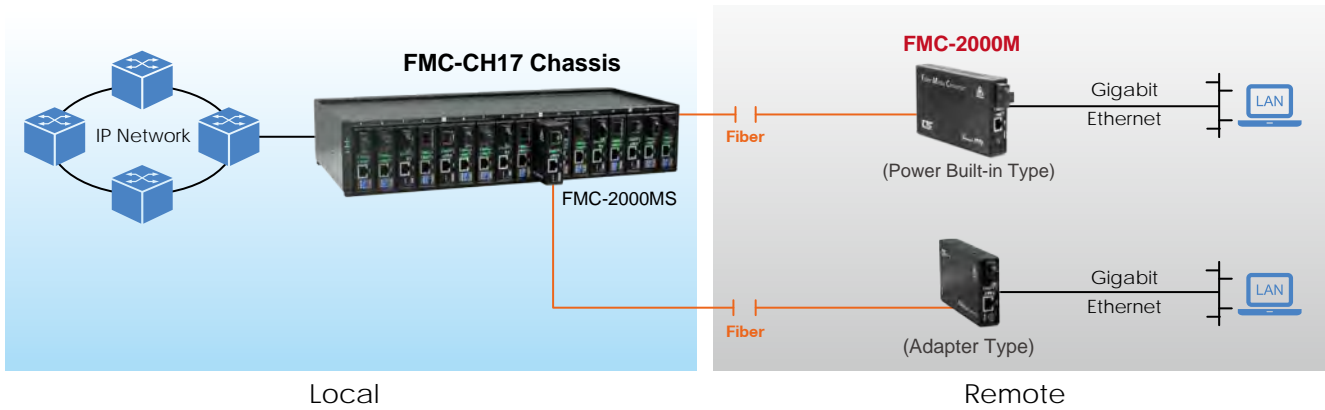
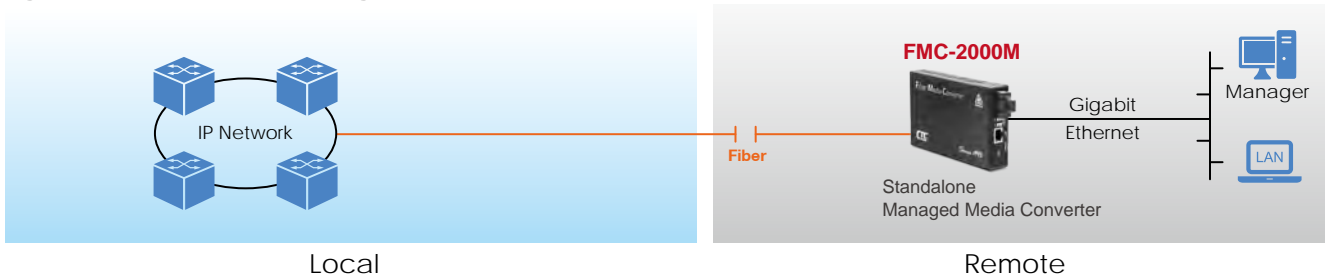


Figure 2: As Standalone Managed Converter



## Ordering Information

Model Name	Description
FMC-2000M-SC001	10/100/1000Base-T to 100/1000Base-FX SC 550m 850nm Web Smart managed Ethernet switch with adapter, plastic case
FMC-2000M-SC002	10/100/1000Base-T to 100/1000Base-FX SC 2km 1310nm Web Smart managed Ethernet switch with adapter, plastic case
FMC-2000M-SC020	10/100/1000Base-T to 100/1000Base-FX SC 20km 1310nm Web Smart managed Ethernet switch with adapter, plastic case
FMC-2000M-SC040	10/100/1000Base-T to 100/1000Base-FX SC 40km 1310nm Web Smart managed Ethernet switch with adapter, plastic case
FMC-2000M-SC20A	10/100/1000Base-T to 100/1000Base-FX SC 20km Tx1310nm / Rx1550nm WDM (A type) Web Smart managed Ethernet switch with adapter, plastic case
FMC-2000M-SC20B	10/100/1000Base-T to 100/1000Base-FX SC 20km Tx1550nm / Rx1310nm WDM (B type) Web Smart managed Ethernet switch with adapter, plastic case
FMC-2000M-SC40A	10/100/1000Base-T to 100/1000Base-FX SC 40km Tx1310nm / Rx1550nm WDM (A type) Web Smart managed Ethernet switch with adapter, plastic case
FMC-2000M-SC40B	10/100/1000Base-T to 100/1000Base-FX SC 40km Tx1550nm / Rx1310nm WDM (B type) Web Smart managed Ethernet switch with adapter, plastic case

## Optional Accessory

Model Name	Description
WMK01	Single unit wall mounting kit

### ■ Wall-Mounting Kit

