NEW

FMC-2000MS

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

(Replacement for: FMC-1000MS)

The FMC-2000MS 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-2000MS Ethernet Switch/Converter gives you the fiber cabling connector, SFP-LC. 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 SFP 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
- Digital Diagnostic (DOM) SFP Support
- 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 FRM220-2000MS
- Wall-Mountable

Standalone Option

Adapter Type

Dimension: 96.5×23×73.4mm(W×D×H) (Plastic)
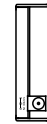
DC Type (12V Power Jack)

▲ Module for FMC-CH17/CH08 Chassis

Power Built-in Type

Power Switch

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

Optical Interface	Connector	SFP LC
	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)
Electrical Interface	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
Standards		IEEE 802.3, IEEE 802.3u IEEE 802.3ab, 802.3z, 802.1Q
Indications		LED (Power, FX-Link, LAN Speed, LAN Link)
Power Input		Adapter Type: DC 12V
		Power Built-in Type : AC 100 ~ 240V

Power Consumption	< 3W
Dimensions (W×D×H)	Adapter Type : 96.5 × 23 × 73.4mm
	Power Built-in Type: 135 × 23 × 73.4mm (Plastic)
	145 × 27 × 87mm (Metal)
Weight	Adapter Type : 120g
	Power Built-in Type : 140g (Plastic)
	TBD (Metal)
Temperature	0 ~ 50°C (Operating), -10 ~ 70°C (Storage)
Humidity	10 ~ 90% non-condensing
Certification	CE, FCC
MTBF	>65,000 hrs

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Specifications & design are subject to change without prior notice. Please visit CTC Union website for more details.

Application

Figure 1: As a Remote to FRM220-2000MS

Local   Remote
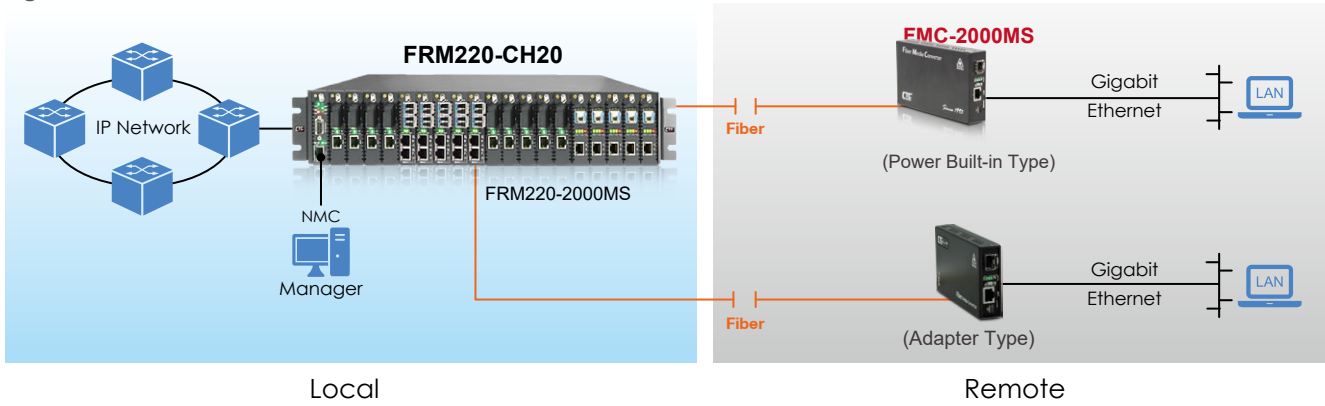
Figure 2: As Rack Module with Remote

Local   Remote
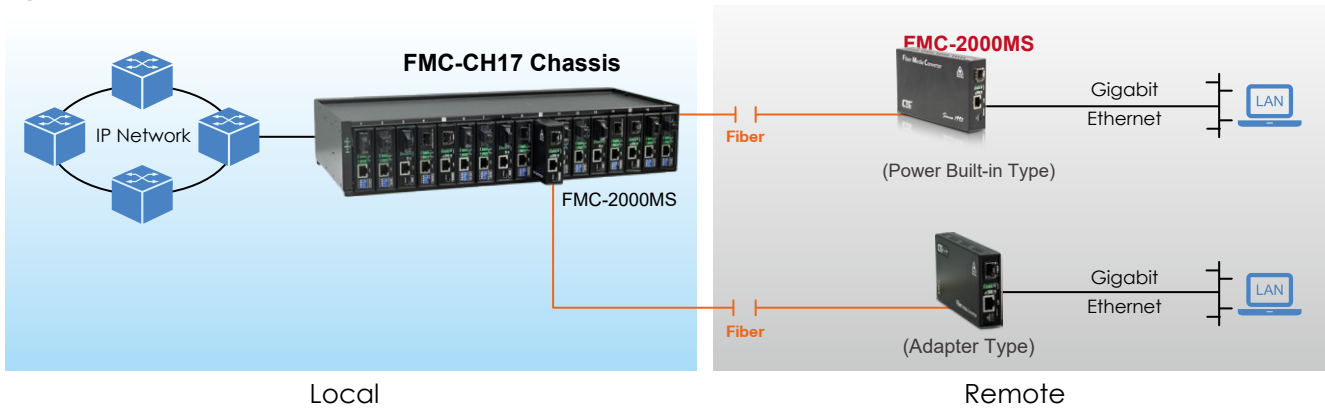
Figure 3: As Standalone Managed Converter

Local   Remote
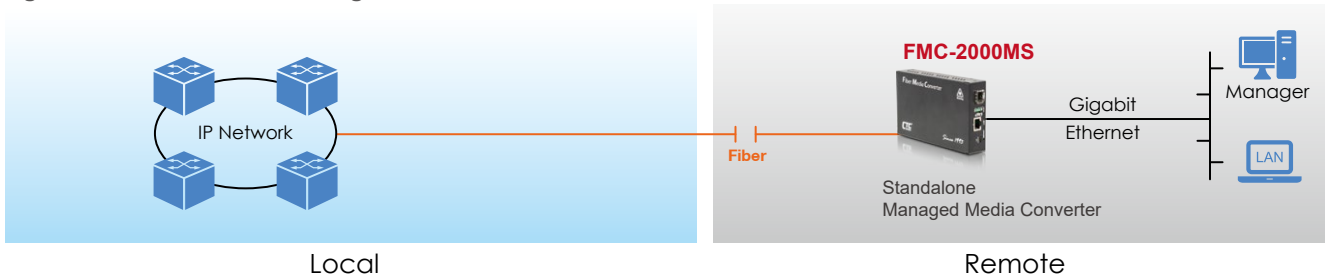
Ordering Information

Model Name	Description
FMC-2000MS	10/100/1000Base-T to 100/1000Base-X SFP Web Smart managed Ethernet switch (optional SFP module) with adapter, plastic case
FMC-2000MS-AC	10/100/1000Base-T to 100/1000Base-X SFP Web Smart managed Ethernet switch (optional SFP module) with AC power, plastic case
FMC-2000MS-AC-M	10/100/1000Base-T to 100/1000Base-X SFP Web Smart managed Ethernet switch (optional SFP module) with AC power, metal case
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

WMK01

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Compact Ethernet Switch FMC-2000MS