



## FMC-1000M FMC-1000MS

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

The FMC-1000M(S) family are Web Smart OAM/IP managed Gigabit Ethernet 10/100/1000Base-T to 100/1000Base-X fiber Ethernet Switch, which provide simple control and setting function on each Ethernet port through out of band network via a Web browser. The FMC-1000M(S) Ethernet Switch give you the fiber cabling connector, SFP-LC(1000MS) and fixed type 1x9 SC connector(1000M). Both multi-mode and single mode Switch 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

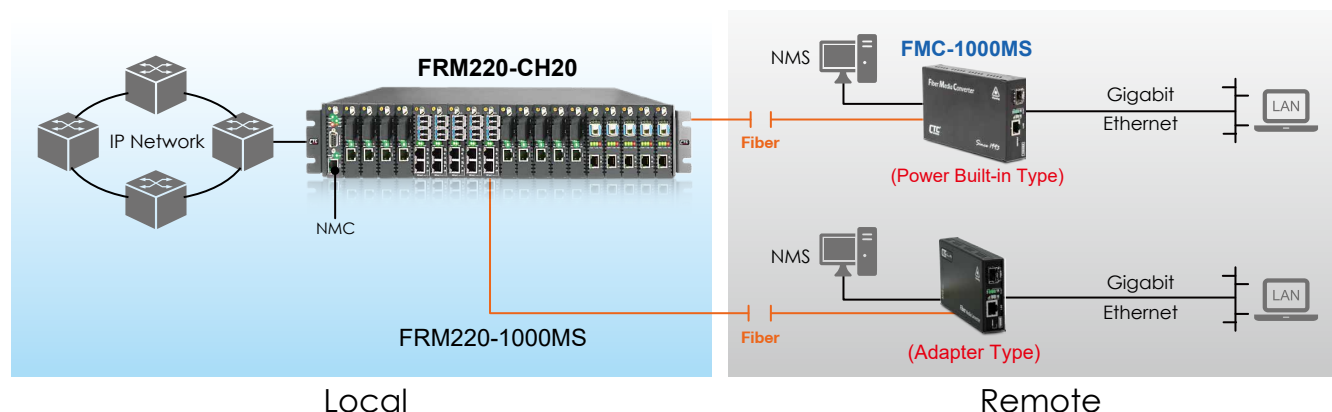
- 10/100/1000Base-T to 100/1000Base-X Ethernet Switch
- Auto-Cross over for MDI/MDIX in TP port
- Auto-Negotiation or Manual mode in TP port
- Supports flow control Enable or Disable
- Supports Jumbo Frame 9K Packet
- Ingress/Egress Bandwidth control
- Supports IEEE 802.3ah OAM management
- Firmware upgrade via Web
- 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
- Web management on stand-alone.
- Supports D/D function for SFP fiber transceiver
- Supports On-Line F/W upgrade (local) by the Web manager
- Supports 16 Tag VLAN Group
- RMON counters
- May be concentrated into FMC-CH17 or FMC-CH08 chassis (Adapter Type only)
- May be used as a remote to FRM-1000M(S)
- Wall-Mountable

### Specifications

<b>Optical Interface</b>	Connector	SFP LC (FMC-1000MS), 1x9 SC (FMC-1000M)
	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
<b>Electrical Interface</b>	Wavelength	MM 1310nm, SM 1310,1550nm WDM 1310Tx/1550Rx (Type A) 1550Tx/1310Rx (Type 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 Power Built-in Type : DC 18 ~ 60V
<b>Power Consumption</b>	< 3W
<b>Dimensions (D x W x H)</b>	Adapter Type : 108 x 23 x 73.4mm Power Built-in 135 x 23 x 73.4mm (Plastic) Type 192 x 30 x 86mm (Metal)
<b>Weight</b>	Adapter Type : 120g Power Built-in Type : 140g (Plastic), 550g (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



Local

Remote

## Ordering Information

Model Name	Description
<b>FMC-1000M</b>	10/100/1000Base-T to 1000Base-X Web Smart OAM/IP managed Ethernet switch with adapter, plastic case
<b>FMC-1000M-AC</b>	10/100/1000Base-T to 1000Base-X Web Smart OAM/IP managed Ethernet switch with AC power, plastic case
<b>FMC-1000M-DC</b>	10/100/1000Base-T to 1000Base-X Web Smart OAM/IP managed Ethernet switch with DC power, plastic case
<b>FMC-1000M-AC (Metal)</b>	10/100/1000Base-T to 1000Base-X Web Smart OAM/IP managed Ethernet switch with AC power, metal case
<b>FMC-1000M-DC (Metal)</b>	10/100/1000Base-T to 1000Base-X Web Smart OAM/IP managed Ethernet switch with DC power, metal case
<b>FMC-1000MS</b>	10/100/1000Base-T to 100/1000Base-X SFP Web Smart managed Ethernet switch (optional SFP module) with adapter, plastic case
<b>FMC-1000MS-AC</b>	10/100/1000Base-T to 100/1000Base-X SFP Web Smart managed Ethernet switch (optional SFP module) with AC power, plastic case
<b>FMC-1000MS-DC</b>	10/100/1000Base-T to 100/1000Base-X SFP Web Smart managed Ethernet switch (optional SFP module) with DC power, plastic case
<b>FMC-1000MS-AC (Metal)</b>	10/100/1000Base-T to 100/1000Base-X SFP Web Smart managed Ethernet switch (optional SFP module) with AC power, metal case
<b>FMC-1000MS-DC (Metal)</b>	10/100/1000Base-T to 100/1000Base-X SFP Web Smart managed Ethernet switch (optional SFP module) with DC power, metal case
Connector Type	Connectivity Distance
SC	MM 001:550m, 002: 2km S/M 010:10km, 020:20km, 040:40km WDM 20A: 20km A type, 20B: 20km B type, 40A: 40km A type, 40B: 40km B type

## Optional Accessory

Model Name	Description
<b>WMK01</b>	Single unit wall mounting kit