



#### **Key Features:**

- --- Complies with IEEE 802.3 10BASE-T, IEEE 802.3u, 100BASE-TX, IEEE 802.3ab, 1000BASE-T,
- --- TP port supports 10/100/1000BASE-T auto-negotiation and auto-MDI/MDI-X
- --- 1000BASE-T: 2-pair Cat. 5/5e/6 UTP cable, up to 100 meters
- --- Wall Mountable design
- --- LED indicators for easy network diagnostics
- --- Compact in size, easy installation
- --- Super mini size

#### Introduction

This FMC-100-M series Gigabit media converter extends network distance with highly performance via fiber optic cable. It provides media conversion between 10/100/1000BASE-T and 100/1000BASE-SX/LX interfaces. There are SC/SFP/WDM connectors with single-mode or multi-mode media for different distance solution as required. The Ethernet signal allows three types of segments to connect easily, efficiently and inexpensively. As this Gigabit Media Converter fully complies with IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, 1000BASE-T, the media conversion installation is quite quick and easy with its plug and play feature. The FMC-100 also supports flow control and back pressure in half-duplex to eliminate packet loss.

The fiber port of the converter operates at 1310 /1550nm with SC connectors. Multi-mode models that support distances up to 2km and single-mode models that support distances up to 100km more are available which it can save more installation..

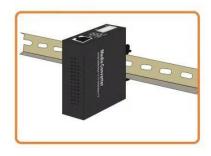
#### **Easy Installation**

This FMC-100-M fiber converter allows two types of the segment to connect easily. It can be used as a standalone unit when powered by its DC adapter or used as a slide-in module or Din rail installtion. These media chassis can assist in producing the power for the converters to maintain the fiber-optic network at one location. As the Media Converter fully complies with IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, 1000BASE-T. the media conversion installation is quite quick and easy with its plug and play feature. The fiber converter also supports flow control and back pressure in half-duplex mode to eliminate packet loss.

## **Technical Datasheet**

Model	FMC-100-GE-M-CA				
Hardware Specifications					
Connector	1 10/100/1000BASE-T RJ45 auto MDI/MDIX ports 1 1000 Base-X SC/FC Slots				
Processing types	Store and forward				
LED Display	Power Indicator: PWR(green).  Network Indicator: Link(green)  Fiber: Green				
Thermal Fan	Fanless Design				
Network Standard	IEEE802.3i 10 BASE-T IEEE802.3u 100 BASE-TX IEEE802.3ab/z 1000 BASE-TX IEEE802.3x Flow Control IEEE802.3az EEE				
Jumbo Frame	9K				
Transmission model	IEEE802.3X full-duplex and Backpressure half-duplex				
Switch Performance	Backplane bandwidth Packet forwarding rate MAC address	10Gbps 2.98Mpps 4k			
Power requirement	DC 5V				
ESD Protection	6KV ESD				
Dimension (W x D x H)	42.3x 62.3 x 22mm (W x D x H)				
Weight	0.2kg				
Environment	Operating temperature: -10 °C ~45 °C , operating humidity: $10\%$ ~90 % Storage temperature: -20 °C ~70 °C , storage humidity: $5\%$ ~95 %				
Safety	FCC Part15 Class A,CE.RoHs				

## Installation



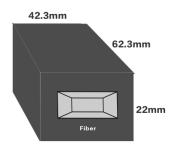
DIN-rail Installation



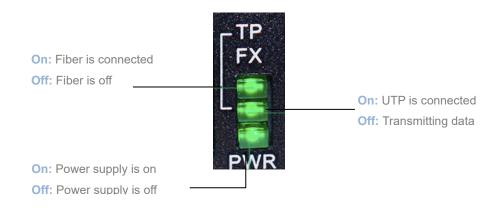
Wall-mount Installation

## **Interfaces and Structure Diagrams**

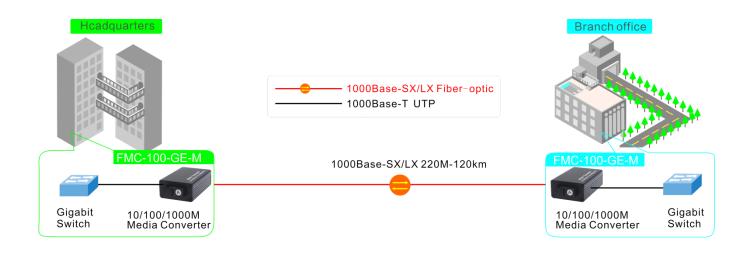








# **Applications**



Ordering Information							
FMC-100-GE-M-CA	1ch 10/100/1000BASE-T to 1000BASE-X SC Mini Fiber Converter,20KM.Din rail						
	installation						