



10/100/1000Mbps PoE SFP Fiber Media Converter



FMC-100P-GE-SFP

Key Features:

- Complies with IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab/z 1000BASE-T, IEEE802.3af/at
- TP port supports 10/100/1000BASE-T auto-negotiation and auto-MDI/MDI-X
- 1000BASE-T: 5e/6 UTP cable, up to 100 meters
- Wall Mountable design
- LED indicators for easy network diagnostics
- Compact in size, easy installation

Introduction

This FMC-100P series PoE gigabit media converter extends network distance with highly Gigabit performance via fiber optic cable. It provides media conversion between 10/100/1000BASE-T and 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, IEEE 802.3ab 1000BASE-T and IEEE 802.3z 1000BASE-LX/SX, the Gigabit 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 SFP connectors. Multi-mode models that support distances up to 550m and single-mode models that support distances up to 100km more are available which it can save more installation..

Easy Installation

This FMC-100P series is with PoE features supported and can power the networking products without any power cables. It provides Maximum power budget of 65W and 30W for single PoE ports sepectively,allowing users to have several different Networking products configured.As the Gigabit Media Converter fully complies with IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab 1000BASE-T and IEEE 802.3z 1000BASE-LX/SX, the Gigabit 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.

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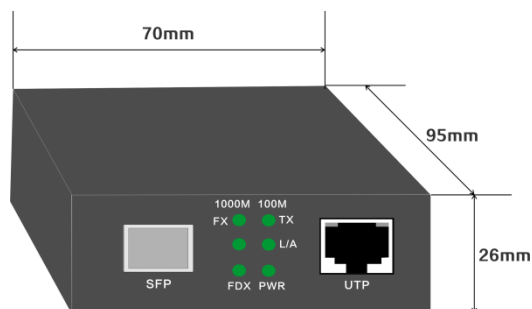
Technical Datasheet

Model	FMC-100P-GE-SFP	
Hardware Specifications		
Connector	1*10/100/1000BASE-T RJ45 auto MDI/MDIX ports 1*1000 Base-X SFP Slots	
Processing types	Store and forward	
LED Display	Power Indicator: PWR(green). Network Indicator: Link(green) SFP: Green	
Thermal Fan	Fanless Design	
Network Standard	IEEE802.3i 10 BASE-T IEEE802.3u 100 BASE-TX IEEE802.3ab/z 1000 BASE-TX IEEE802.3af Power over Ethernet IEEE802.3at Power over Ethernet IEEE802.3x Flow Control IEEE802.3az EEE	
PoE Standard	IEEE 802.3af Power over Ethernet/PSE IEEE 802.3at Power over Ethernet Plus/PSE	
PoE Supply Type	1/2(+), 3/6(-) End-span	
PoE Power Output	Per Port 52V DC, 300mA. max. 15.4 watts (IEEE 802.3af) Per Port 52V DC, 600mA. max. 30 watts (IEEE 802.3at)	
PoE Power budget	65W	
Jumbo Frame	9K	
Transmission model	IEEE802.3X full-duplex and Backpressure half-duplex	
Switch Performance	Backplane bandwidth	10Gbps
	Packet forwarding rate	2.98Mpps
	MAC address	4k
Power requirement	DC 48~52V	
ESD Protection	6KV ESD	
Dimension (W x D x H)	70 x 90 x 26mm (2.76in*3.54in*1.02in)	
Weight	<3kg	
Environment	Operating temperature: -20℃~55℃， operating humidity: 5%~95% Storage temperature: -40℃~75℃， storage humidity: 5%~95%	
Safety	FCC Part15 Class A,CE,RoHs	

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Interfaces and Structure Diagrams



On: Rate is 1000M

On: Fiber is linked
Blink: transmitting data

On: in full-duplex mode
Off: in half-duplex mode

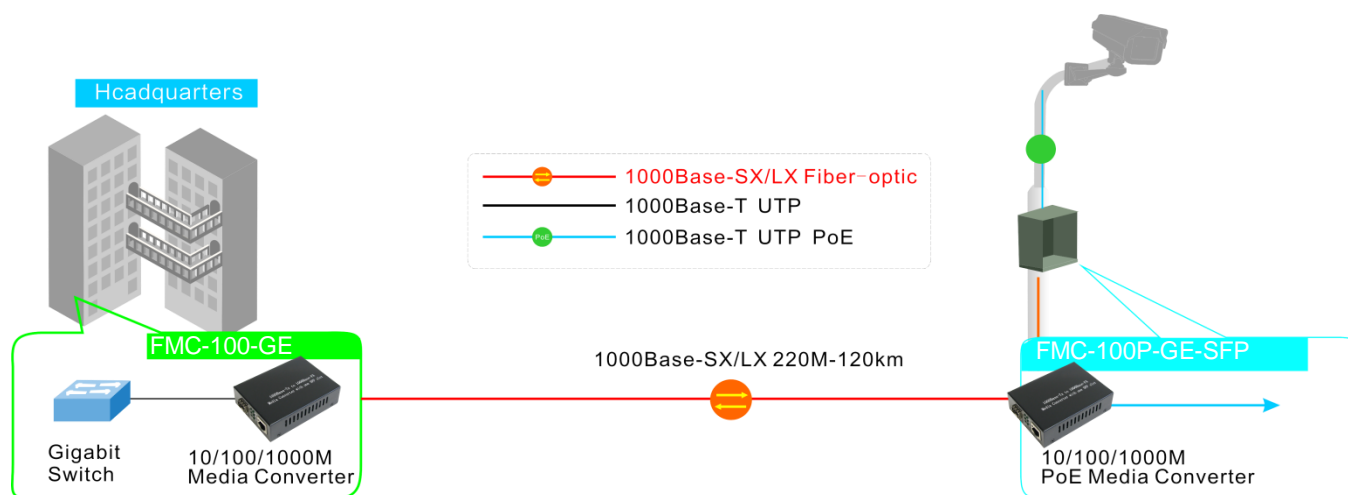
On: Rate is 100M

On: UTP is linked
Blink: transmitting data

On: Power supply is on



Applications



Ordering Information

FMC-100P-GE-SFP	1ch 10/100/1000BASE-T to 100/1000BASE-X SFP PoE Fiber Converter.LC Connector
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