



8 Ports 10/100/1000Mbps Fiber Media Converter



FMC-100-8GE1Fx

Key Features:

- Complies with IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab/z 1000BASE-TX
- 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

Introduction

This FMC-100-GE series media converter extends network distance with highly 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 Media Converter fully complies with IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3z 100BASE-TX, the media conversion installation is quite quick and easy with its plug and play feature. The FMC-100-GE 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..

High Performance and Steady Network Communications

Distance Extension with Benchu Group fiber media converter series extends communication distance with highly performance via fiber optic cable. The FMC-100-GE series Fiber converter series provides media conversion between 10/100/1000BASE-T and 1000BASE-SX/LX interfaces such as multi-mode LC/SC connectors (220m / 550m), single-mode LC/SC connectors (10/20/30/40/50/70/120km) and single fiber connectors (WDM, 15/60km) for various fiber optic applications.

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Technical Datasheet

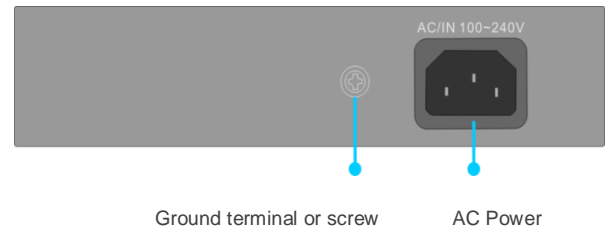
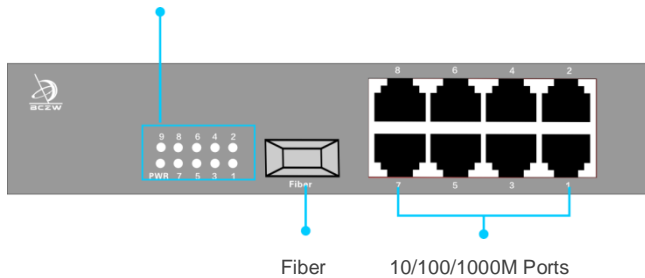
Model	FMC-100-8GE1Fx	
Hardware Specifications		
Connector	8* 10/100/1000BASE-T RJ45 auto MDI/MDIX ports 1* 1.25G Base-X SC/FC	
Processing types	Store and forward	
LED Display	Power Indicator: PWR(green). Network Indicator: Link(green) Fiber: Green	
Thermal Fan	Fanless Design	
Network Standard	IEEE802.3i 10 BASE-T IEEE802.3u 100 BASE-TX IEEE802.3ab 1000 BASE-TX IEEE802.3z 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	20Gbps
	Packet forwarding rate	13.39Mpps
	MAC address	4k
Power requirement	AC 100~240V 50/60Hz	
ESD Protection	6KV ESD	
Dimension (W x D x H)	185 x 140 x 40 mm (7.2in x 5.5in x 1.57in)	
Weight	0.8kg	
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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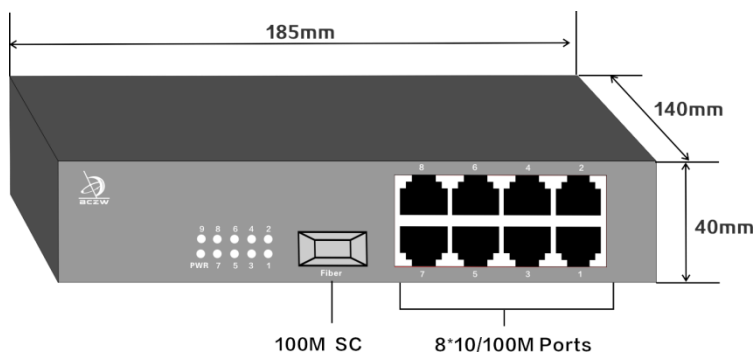
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Interfaces

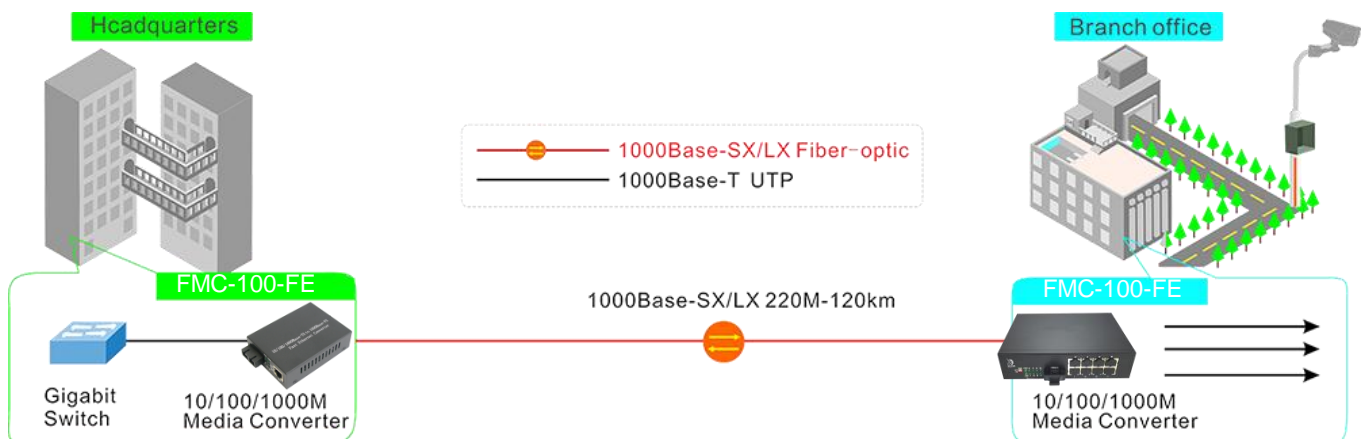
Power/ Link/ ACT Indicator



Structure Diagrams



Applications



Ordering Information

FMC-100-8GE1Fx

8ch 10/100/1000BASE-T to 1000BASE-X SC Fiber Converter,20KM