



4 Ports 10/100/1000Mbps Fiber Media Converter



FMC-100-4GE1Fx

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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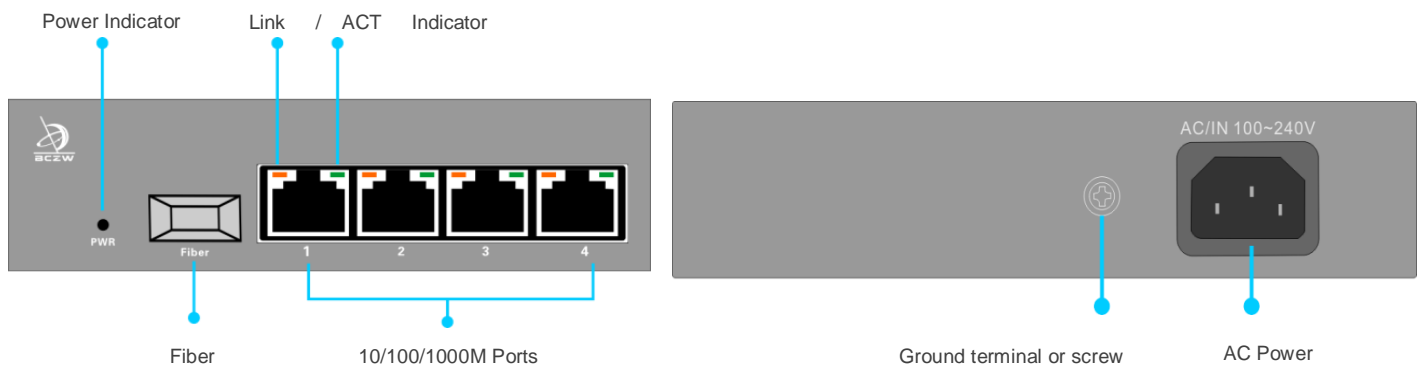
Technical Datasheet

| | | |
|-------------------------|---|---------|
| Model | FMC-100-4GE1Fx | |
| Hardware Specifications | | |
| Connector | 4* 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 | 7.5Mpps |
| | MAC address | 4k |
| Power requirement | AC 100~240V 50/60Hz | |
| ESD Protection | 6KV ESD | |
| Dimension (W x D x H) | 160 x 115 x 40 mm (6.3in x 4.53in x 1.57in) | |
| Weight | 0.6kg | |
| Environment | Operating temperature: -20℃~55℃， operating humidity: 5%~95% Storage temperature: -40℃~75℃， storage humidity: 5%~95% | |
| Safety | FCC Part15 Class A,CE,RoHs | |

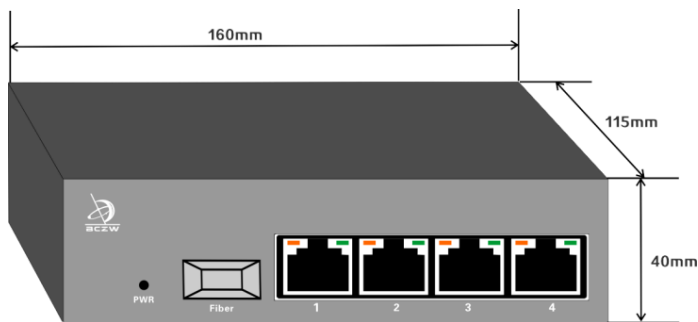
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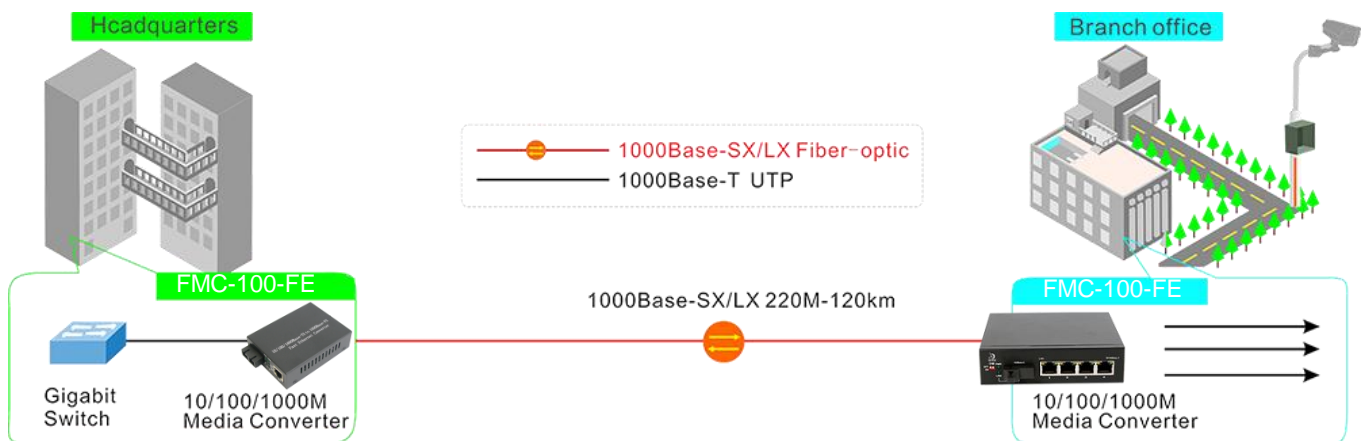
Interfaces



Structure Diagrams



Applications



Ordering Information

| | |
|----------------|---|
| FMC-100-4GE1Fx | 4ch 10/100/1000BASE-T to 1000BASE-X SC Fiber Converter,20KM |
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