BCZW

Single port High Power Gigabit PoE Midspan Injector

Hot Pluggable

Compact Size

6KV Lightning Protection

Media Converter

EXCLUSIVE 2 YEAR WARRANTY

FMC-100-GE-M

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

The BENCHU GROUP FMC-100-GE-mini is a super-compact Gigabit Fiber Media Converter engineered to extend network reach without compromising space. Converting 10/100/1000M Ethernet to 1.25G SC Fiber, it supports transmission distances up to 80km, making it ideal for industrial automation, remote offices, and data centers where space is limited. With plug-and-play functionality, auto-negotiation, and low power consumption, it delivers a reliable, energy-efficient bridge between copper and fiber infrastructures.

Ultra-Compact Form Factor

Designed in a super mini size, it fits easily into tight spaces or crowded cabinets, maximizing installation flexibility without sacrificing performance.

High-Speed Gigabit Connectivity

Supports 10/100/1000Mbps Ethernet speeds, ensuring seamless data transmission for bandwidth-intensive applications like video streaming and large file transfers.

Extended Transmission Range

Equipped with an SC fiber port, it enables long-distance data transmission over single-mode fiber, extending network reach up to 80km to connect distant nodes.

Plug-and-Play Intelligence

Features auto-negotiation to automatically adjust speed and duplex mode, providing optimized network performance without manual configuration or complex setup.

Energy-Efficient & Reliable

Designed for low power consumption and full-duplex communication, it reduces energy costs while ensuring robust, low-latency operation in diverse environments.

FMC-100-GE-M

10/100/1000Mbps Mini Fiber Media Converter

Technical Datasheet

Model	FMC-100-GE-M	
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	10Gbps
	Packet forwarding rate	2.98Mpps
	MAC address	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℃~45℃，operating humidity: 10％~90％ Storage temperature: -20℃~70℃，storage humidity: 5％~95％	
Safety	FCC Part15 Class A,CE.RoHs	

FMC-100-GE-M

10/100/1000Mbps Mini Fiber Media Converter
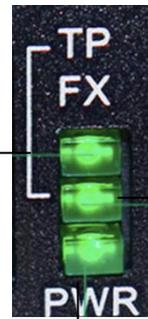
Interfaces and Structure Diagrams
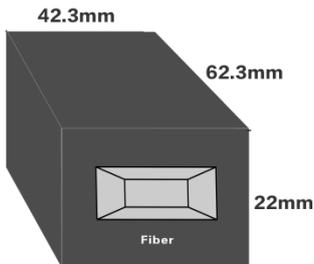
SC　Slot　　　LED indicator　　　5V DC　　　RJ45　　　Ventilation vent

42.3mm

62.3mm

22mm

Fiber

On: Fiber is connected
Off: Fiber is off

On: UTP is connected
Off: Transmitting data

On: Power supply is on
Off: Power supply is off

Applications

Hcadquarters

Branch office

1000Base-SX/LX Fiber-optic
1000Base-T UTP

FMC-100-GE-M

FMC-100-GE-M

1000Base-SX/LX 220M-120km

Gigabit Switch

10/100/1000M Media Converter

10/100/1000M Media Converter

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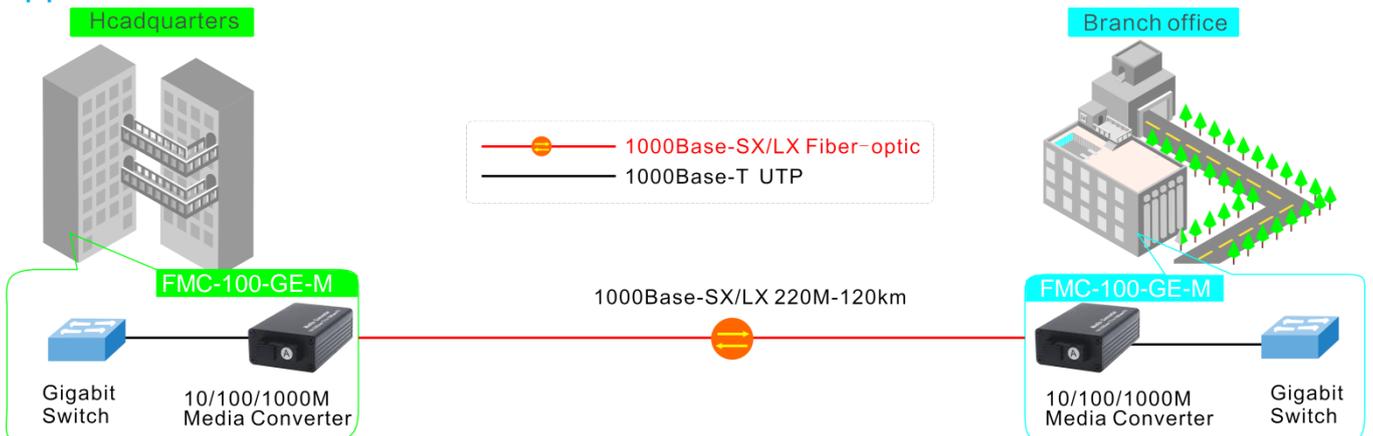
Ordering Information	
FMC-100-GE-M	1ch 10/100/1000BASE-T to 1000BASE-X SC Mini Fiber Converter,20KM.