



10G SFP+

Fiber Media Converter



FMC-100-TE-SFP

Key Features:

- 1x 1G/2.5G/10G Base-T RJ45 Port.
- 1x 10G SFP+ Fiber Interface.
- Supports auto-negotiation across 1/2.5/10G speeds.
- Transmission distance up to 80km with SFP+ modules.
- LED indicators for easy network diagnostics
- Compact in size, Plug-and-play, easy installation

Introduction

The BENCHU GROUP FMC-100-TE-SFP is a high-performance 10G Multi-Gig Fiber Media Converter designed to bridge high-speed copper devices with fiber optic backbones. Featuring 1x 1G/2.5G/10G Base-T RJ45 and 1x 10G SFP+ interfaces, it supports seamless rate matching across multiple speeds. This converter enables users to extend 10G network connections over fiber distances up to 80km, making it ideal for connecting 10GBase-T servers, workstations, or NVRs to core switches without replacing existing cabling. With plug-and-play operation and robust stability, it offers a cost-effective solution for bandwidth-intensive enterprise and surveillance environments.

Multi-Gig Copper Flexibility

Supports 1G, 2.5G, and 10G Base-T auto-negotiation on the RJ45 port, allowing seamless connectivity with a wide range of devices from legacy PCs to modern 10G workstations and WiFi 6 APs.

High-Speed 10G Fiber Uplink

Equipped with a 10G SFP+ slot, enabling high-bandwidth fiber transmission that eliminates bottlenecks when aggregating traffic to core networks or data centers.

Extended Transmission Distance

Overcomes the 100-meter copper limit by converting signals to fiber, supporting distances from 300m up to 80km depending on the SFP+ module used for flexible network expansion.

Plug-and-Play Simplicity

Requires no configuration or drivers; automatically negotiates speed and link status upon connection, significantly reducing deployment time and technical overhead.

Broad SFP+ Compatibility

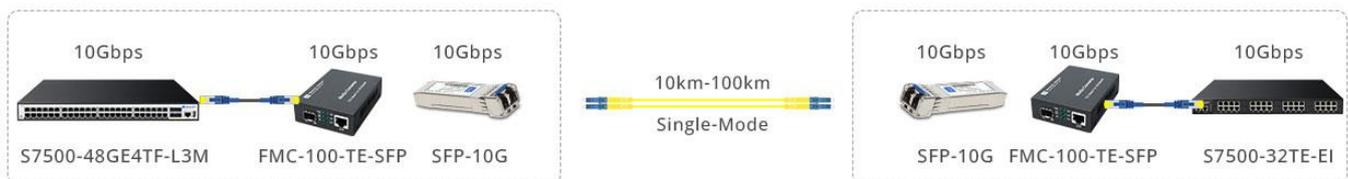
Works with standard 10G SFP+ modules from major vendors, allowing users to choose single-mode or multi-mode optics based on specific distance and budget requirements.

FMC-100-TE-SFP

10G SFP+ to RJ45 Fiber Media Converter

Technical Datasheet

Model	FMC-100-TE-SFP	
Hardware Specifications		
Connector	1*1G/2.5G/10G BASE-T RJ45 auto MDI/MDIX ports 1*10G Base-X SFP+	
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 IEEE802.3bz 2500 BASE-TX IEEE802.3ae 10G 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	29.76Mpps
	MAC address	8k
Power requirement	DC 5V	
ESD Protection	6KV ESD	
Dimension (W x D x H)	70 x 90 x 26mm (2.76in*3.54in*1.02in)	
Weight	<0.3kg	
Environment	Operating temperature: -20℃~55℃, operating humidity: 5%~95% Storage temperature: -40℃~75℃, storage humidity: 5%~95%	
Safety	FCC Part15 Class A,CE,RoHs	



Ordering Information

FMC-100-TE-SFP	1ch 1G/2.5G/10GBASE-T to 10GBASE-X SFP Fiber Converter
----------------	--