



10/100/1000Mbps SFP Fiber Media Converter



FMC-100-GE-SFP

Key Features:

- Complies with IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, IEEE 802.3ab/z 1000BASE-T,
- TP port supports 10/100/1000BASE-T auto-negotiation and auto-MDI/MDI-X
- SFP slot supports multimode and single-mode modules fiber transmission up to 100km.
- LED indicators for easy network diagnostics
- Compact in size, easy installation

The BENCHU GROUP Gigabit SFP Fiber Media Converter provides a seamless and cost-effective bridge between copper Ethernet and fiber optic networks. Featuring one flexible SFP slot and one 10/100/1000M RJ45 port, it enables users to extend network transmission distances far beyond the limits of copper cabling. Whether connecting remote buildings, linking ISP networks, or integrating fiber backbones with legacy devices, this converter offers a reliable, plug-and-play solution. Engineered for stability and flexibility, it allows network administrators to customize fiber connectivity based on specific distance and budget requirements, ensuring optimal performance for enterprise and service provider environments.

Flexible SFP Fiber Connectivity

Equipped with one standard SFP slot, supporting both multimode and single-mode modules. Users can choose transceivers based on distance needs, ranging from 550m up to 100km, providing maximum flexibility for diverse deployment scenarios.

Gigabit Copper Interface

Features one 10/100/1000M Base-T RJ45 port with auto-negotiation and auto-MDI/MDIX support. Ensures seamless compatibility with PCs, servers, switches, and routers without requiring crossover cables or manual configuration.

Plug-and-Play Deployment

Designed for effortless installation with no software configuration required. Simply insert the SFP module and connect the Ethernet cable to establish a stable link, significantly reducing deployment time and technical overhead.

Real-Time Status Monitoring

Integrated LED indicators provide clear visibility into power, link status, and transmission activity for both fiber and copper ports. Enables quick troubleshooting and ensures network health at a glance.

Broad Compatibility & Stability

Compatible with standard SFP modules from major vendors. Built with high-quality components to ensure low latency, minimal packet loss, and stable 7x24-hour operation in various environmental conditions.

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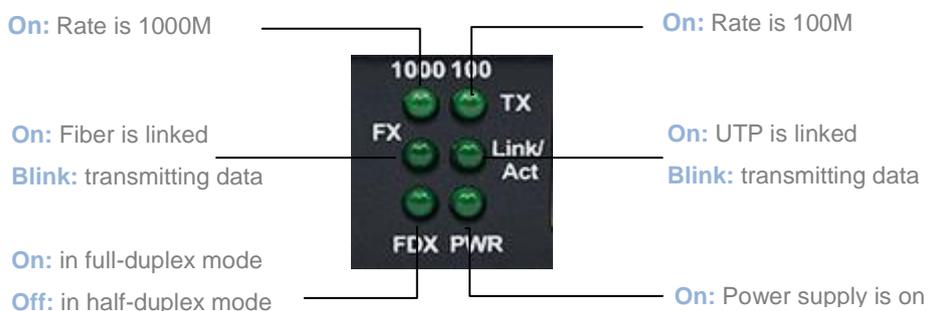
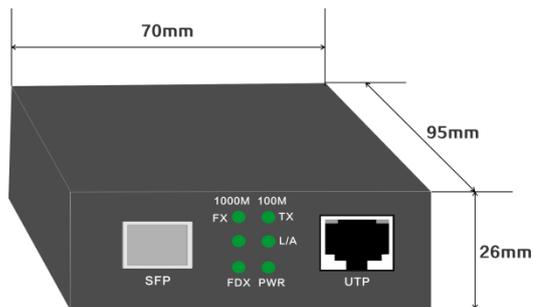
Technical Datasheet

| | | |
|--------------------------------|--|----------|
| Model | FMC-100-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 IEEE802.3x 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) | 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 | |

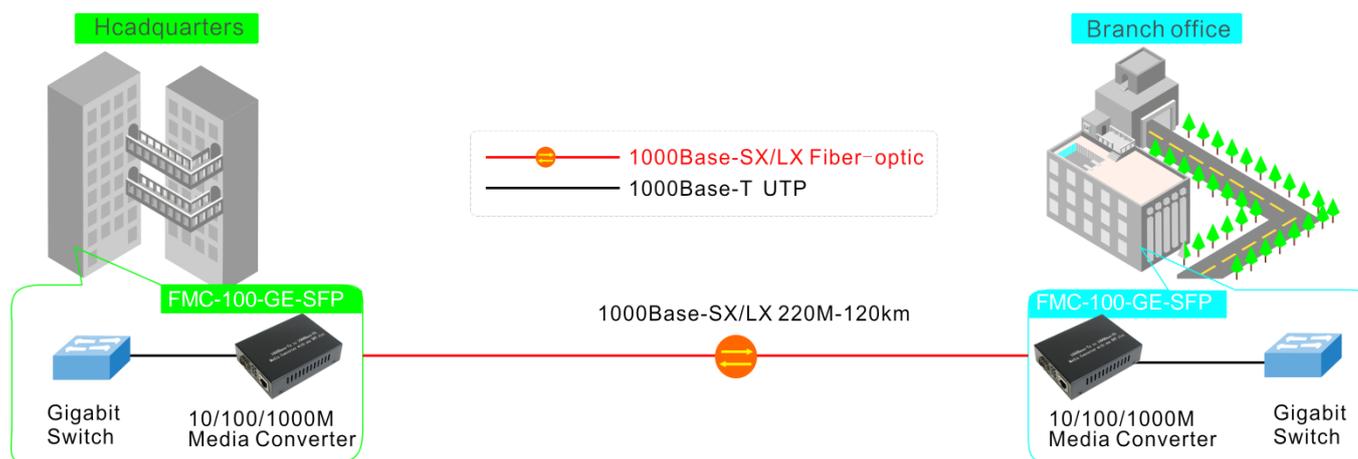
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Interfaces and Structure Diagrams



Applications



Ordering Information

FMC-100-GE-SFP

1ch 10/100/1000BASE-T to 100/1000BASE-X SFP Fiber Converter.