

MC-GE-S1SFP-1RJ Media Converter

MC-GE-S1SFP-1RJ Media Converter is designed to convert the signals from light to electricity or reverse. It supports the conversion between 10/100/1000Base-T and 1000Base-SX/LX, with 1 port for UTP cable, and 1 for fiber cable.

Technical Specifications

- Standards: IEEE 802.3z/AB 10/100/1000Base-T
1000Base-SX/LX
- UTP Cable: Cat.5e or Cat.6 cable and up to 100m.
- Fiber Cable:
 - 1000SX: 50/125, 62.5/125µm multi-mode
 - 1000LX: 9/125µm single-mode.
- Data Transfer Rate:
 - 2000Mbps for full-duplex at 1000Mbps speed.
- LED Indicators:
 - TP Act, Fdx, 100, 1000, Power, FX Act
- TP Flow Control: NWay auto-negotiation
Fiber Flow Control: NWay at full-duplex mode
- Power Requirement: 220V(175-260V)AC, 50Hz
- Ambient Temperature: 0 ~ 50°C
- Humidity: 5% ~ 90%
- dimensions: Internal:26×70×93mm
External Power: 40×110×140mm (H×W×D)



Fiber Technical Specifications

By plugging different SFP module, it can support 1000Base-SX, 1000Base-LX-10, 1000Base-LX-30, 1000Base-LX-HX.

| Items | 1000Base-SX | 1000Base-LX-10 | 1000Base-LX-30 | 1000Base-HX |
|----------------|----------------------------|----------------|----------------|-------------|
| Connector type | LC | LC | LC | LC |
| Fiber type | Multi-mode | Single-mode | Single-mode | Single-mode |
| Wavelength | 850nm | 1310nm | 1310nm | 1550nm |
| Max Distance | 62.5µm: 224m 50µm: 550m | 20Km | 40Km | 80Km |
| Min TX PWR | -11.0dBm | -12.0dBm | -8.0dBm | -5.0dBm |
| Max TX PWR | -6.0dBm | -5.0dBm | 0dBm | 0dBm |
| Sensitivity | < -18dBm | < -21dBm | < -25dBm | < -25dBm |
| Link Budget | 7.0dBm | 9.0dBm | 17.0dBm | 20.0dBm |