



MC-SMSF-G is 10/100/1000 Mbps Fast Ethernet Converter. The Converter mediates between a 10/100/1000Base-Tx segment and a 100/1000Base-FX segment. It is primarily designed for large, higher speed/bandwidth demanding workgroups that require expansion of the Ethernet network. It can extend the conventional 100M Ethernet or 1000M Fast Ethernet to 20km-120km via the fast Ethernet Fiber-optical Line. It is high-performance, cost effective and flexible solutions for a wide range of applications in the field of LAN campus network

### Key Features

- ❖ Provide one Single Fiber Connector and one UTP Connector
- ❖ Fully Complies with IEEE802.3 10Base-T, IEEE802.3u 100Base-TX/IEEE802.3ab 1000Base-TX, IEEE802.3z 1000Base-FX Standard.
- ❖ Auto-detection of half/full duplex transfer mode for TX port
- ❖ Auto-negotiation of 10/100/1000Mbps rate and Auto-MDI/MDIX for TX port
- ❖ LFPT (Link Fault Pass Through) Function optional
- ❖ Indication light: FEF, SPD, Link/Act, PWR, FDX
- ❖ External power supply DC 5V/ 1.5A

### Specifications

Standard	IEEE802.3 10BASE-T Ethernet  IEEE802.3u 100BASE-TX/FX Fast-Ethernet  IEEE802.3z/ab 1000BASE-FX/TX 1000M-Ethernet  IEEE802.3x
RJ-45 Port	Auto-MDI/MDIX
Fiber Port	SC/ST/FC 1310/1550nm
Wavelength	1310/1490/1550nm
Send-Power	SMF: -20 dBm (min.) 0 dBm (max.)
Network Cable	10BASE-T:  Category 3,4 or 5 UTP/STP (Max:100m)  EIA/TIA- 568 100 Ω STP (Max:100m)  100BASE-TX:  2pairs of category 5 UTP (Max:100m)  EIA/TIA- 568 100 Ω STP (Max:100m)  1000BASE-FX:  SMF:8.3/125,8.7/125,9/125,10/125μm (20~120km)
Dimensions(WxDxH)	94x71x27mm
Input Voltage	DC5V1.5A( External power input : AC100V-AC240V/50-60HZ )  AC100V-AC240V and DC-48V is optional ( Internal power )
Power Consumption	5w(External Power)
Operation Temperature	0~70C
Store Temperature	-40C~85C
Humidity	5%~95% non-condensing
Net Weight	0.45kg(External Power)  0.85kg(Internal Power)