

10/100/1000M 1SFP+1RJ45 SFP Media Converter



DESCRIPTION

1SFP and 1RJ45 Port SFP Media Converter Series converter is an Ethernet media converter that converts media transmission between UTP Copper cables and fiber SFP (Small Form-Factor Pluggable) transceiver.

It is designed to meet the massive needs for Ethernet network deployment and able to extend a copper based network via fiber cable to a maximum distance up to 120km.

It can be installed into a Standard Converter Chassis.

The installation & operation procedures are simple & straight forward.

Operation status can be locally monitored through a set of Diagnostic LED located in the front panel.

FEATURE

- 10/100/1000Base-TX to 1000BASE-FX Converter
- 100Base-TX/FX or 1000Base-T to 1000BASE-SX/LX Converter
- Standard: IEEE802.3 & IEEE802.3u, IEEE 802.3z & 802.3ab
- Interface: 1 x RJ-45 connector / 1 x SFP Slot
- Plug-and-Play installation
- Support Jumbo Frame (64-9216 Byte)
- Support Voltage Monitor
- Conversion between different transmission speeds and media types
- Standalone type or card type, Can be installed into 2U 14/16 Slots chassis
- Auto-negotiating Ethernet port (Half/Full Duplex)
- Auto-crossover Ethernet port (Supports Auto MDI/MDI-X)
- Easy Installation, Easy Trouble shooting
- LED: Power , DUP,FP-LINK,RX,1000,TX
- Dimension: 229x122x50mm (W x D x H) for packing, 94x70.6x26.5mm (W x D x H) for device

DATA SHEET

Item	Specification
Item number	TS-SFPMC1G
Standard Protocol	IEEE802.3u,10/100/1000Base-T,1000Base-SX/LX,IEEE802.3ah, IEEE802.3z/ab
Flow control	IEEE802.3x port flow control and back pressure control
Transmission speed	10/100/1000M auto-negotiation
Transmission mode	Full-duplex/semi duplex(auto-negotiation)
Conversion mode	Storage transmission
MAC address	VLAN 4K
Buffer space	128KB
Packet length	Storage transmission:9728Bytes,straight-through,infinite.
Time-delay	9.6us
Bit error rate	<1/1000000000
MTBF	100,000 hours
Power supply	Outside: 5V DC 1A ; Build-in: 110~265V AC 48V DC
Power dissipation	<2.5W
Interface	Electric port: RJ45,Fiber port:SC/FC or SFP
Twisted-pair cable	Cat.5 UTP cable
Multimode fiber	50/125, 62.5/125um
Single mode fiber	9/125, 10/125um
Wavelength	850nm/1310nm/1550nm
Transmit distance: - Dual fiber multimode - Dual fiber single mode - Single fiber single mode - Cat.5 twisted-pair	550m 20/40/60/80/100/120Km 20/40/60/80Km 100m
Operating temperature	0~60°C
Storage temperature	-20~70°C
Humidity	5%~90% (no condensation)

Order Model

1SFP Slot and 1RJ45 Port SFP Fiber Media Converter

Part Number	Description
TS-SFPMC1G	1SFP+1RJ45,10/100/1000Mbps

APPLICATION

1SFP and 1RJ45 Port SFP Media Converter

- Extend your Ethernet connection up to 0~120km away using fiber optics.
- Creates an economical Ethernet-fiber/copper-fiber link for connecting remote sub networks to larger fiber optic networks/backbones.
- Converts Ethernet to fiber, fiber to copper/Ethernet, ensuring optimum network scalability for connecting two or more Ethernet network nodes (e.g. connecting two buildings on the same campus).
- Designed to provide high-speed bandwidth for demanding large scale work groups that require expansion of Ethernet Network.
- Bad industrial environment or high requirements for Lightning protection
- Intelligent transportation supervisory system(ITS) and safe city
- High-speed way supervisory/Tele-communication system, IP network camera
- Security surveillance system for large corporations, multifunction network system
- Long-distance multimedia schooling/ campus surveillance, long-distance broadcast television transmission system