

Gigabit Ethernet Fiber Optical Media Converter

1 Fiber Port & 4 x 10/100/1000Base TX Converter



System Design

The 5 ports Gigabit Ethernet Switch is equipped with 4-port 10/100/1000M UTP ports and 1-port 1000M Fiber port. The product is of compact size, stable performance, excellent quality. It is widely applied in small or medium Optical Fiber Ethernet network.

Features

- Switch Ethernet signals among 10/100/1000M UTP ports (T) and 1000M Optical Fiber Interfaces (X)
- Auto negotiation function, supports UTP ports 10/100/1000M and Full Duplex/Half Duplex auto-negotiation
- 1000M Fiber port supports 1000M and Full Duplex mode.
- Supports flow control and broadcast storm protection.
- Supports VLAN and QoS.
- Supports max 10K bytes frame.
- Low power consume (4W), low heat, and good reliability.



Specifications

General Technology

Standard: IEEE802.3z/AB
10/100/1000Base-T
1000Base-SX/LX

Connector

UTP: RJ-45, 10/100/1000Mbps;
Fiber: 1000Mbps;

Exchange Attribute

Flow control: Full Duplex: IEEE802.3x flow control
Half Duplex: back pressure flow control
MAC address table: 1K
Frame buffer memory: 1MKb
Switching capacity: 12G

Transmission Distance

Cable: UTP: Cat.5 or 6 UTP (the max distance up to 100m)
Multitude Fiber: 50/125, 62.5/125 μ m
Singlemode Fiber: 8/125, 8.7/125, 9/125 μ m
(the max distance up to 10~100 km)

LED Indicator

PWR, F1 Link/Act, F2 Link/Act;
TP1~TP4 Link/Act, TP1~TP4 100,
TP1~TP4 1000; ;
Half Duplex: back pressure flow control

Power Supply

AC220V(100-240V), 50~60Hz; DC: 5V, 2A

Environment

Ambient Temperature: 0 ~ +50°C;
Storage Temperature: -20 ~ +70°C;
Humidity: 5% ~ 90%;



Ordering information

Part No.	Descriptions	Remark
ST-1000-MM-14-3	4 x 10/100/1000Base-TX/1 x FX Media Converter, 3Km FC Connector (Multi-mode) 1 fiber port	FC/ST/ST Available
ST-1000-SM-14-20	4 x 10/100/1000Base-TX/1 x FX Media Converter, 20Km FC Connector (single mode) 1 fiber port	FC/ST/ST Available
ST-1000-SM-14-40	4 x 10/100/1000Base-TX/1 x FX Media Converter, 40Km FC Connector (single mode) 1 fiber port	FC/ST/ST Available
ST-1000-14-SFP	4 x 10/100/1000Base-Tx/1 x SFP PORT WITHOUT SFP TRANSCEIVER INSIDE	LC Available

Remark :

- Optical transmission distance is limited to optical loss of the fiber and any additional loss introduced by connectors, splices and patch panels.
- Maximum transmission distance is also limited by fiber bandwidth.
- Power adapter for stand-alone units is manufactured by third party .Power adapter included US, European, UK or Australian power plug.
- Please feel free to contact factory for any special requirement and customization