

## 2-Port 10/100Base-TX + 1-Port 100Base-FX Media Converter



### System Design

The 2-Port 10/100Base-TX + 1-Port 100Base-FX Media Converter is a kind of Commercial media converter, ST Series provides one 100M optical fiber ports and two 10/100M UTP ports. The two UTP ports can be support VLAN, and works as backup.

ST Series complies with IEEE802.3, IEEE802.3u, IEEE802.3x standards, it is designed to convert data signal between 10/100Base-Tx and 100Bas-Fx Fast Ethernet. It can transmit the traditional 100M up to 2km by multi-mode fiber cable or 120km by single mode fiber cable.

The compact size can be mounted in our 14/16 slots rack chassis.

### Features

- With one fiber and two UTP ports, can convert Optical-Electric Ethernet signals between 10/100M UTP interface (TX) and 100M optical fiber interface (FX).



- Auto negotiation function allows UTP port to auto select 10M or 100M, and Full Duplex or Half Duplex.
- Support Flow control and Broadcast storm protection.
- Supporting the max 1536 bytes frame.
- Internal Circuit of prevented thunder could greatly reduce damage of the converter caused by thunderbolt induction.
- With LED indicators for monitoring the working status.
- 3-years warranty.

## Specifications

Operating standards: IEEE802.3u 100Base-TX and 100Base-FX

### Connector:

UTP: RJ-45, 10/100Mbps;

Fiber: SC/FC/ST, 100Mbps (Full Duplex)

### Cable

UTP cable: Cat. 5 (the max distance up to 100m)

Fiber (multi-mode): 50/125, 62.5/125 $\mu$ m (the max distance up to 2km)

Fiber (single mode): 8/125, 8.7/125, 9/125, 10/125 $\mu$ m (the max distance up to 120km)

### Flow control

Full Duplex: IEEE802.3x flow control

Half Duplex: back pressure flow control

**LED Light:** L/A-FX, FDX-FX, L/A-TP, SPD-TP, FDX-TP, PWR

**Power supply:** AC85~240V, DC5V 1A;

**Environment temperature:** 0 ~ +50 $^{\circ}$ C

**Storage temperature:** -20 ~ +70 $^{\circ}$ C

Humidity: 5% ~ 90%

Dimensions: 26mm (H) \* 70mm (W) \* 94 mm (D)



## Ordering information

Part No.	Access mode	Fiber Mode	Wavelengthes	Distence	Remark
ST-100-SM-12-20	10/100Mbps	Dual fiber single-mode	1310nm	20KM	FC/ST/SC Available
ST-100-BD-12-20	10/100Mbps	Single fiber Single-mode	1310nm/1550nm	20KM	FC/ST/SC 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