



## UT-9125TSD

Cisco Compatible



# SFP TRANSCEIVER

1.25G SFP COPPER TRANSCEIVER MODULE (GIGABIT Ethernet)

## Scope of Application

The LINK SFP transceivers (SFP is also called “mini-GBIC”) are high performance, cost effective modules which is the best for all LINK Media Converters, all LINK Switches and can be compatible with others brand.

LINK UT-9125TSD, 1G SFP Copper transceivers is module compliant with the Gigabit Ethernet and 1000BASE-T standards as specified in IEEE 802.3ab, which supporting 1000Mbps data-rate up to 100 meters reach over unshielded twisted-pair category 5e cable or better.

The module supports 1000 Mbps full duplex data-links with 5-level Pulse Amplitude Modulation (PAM) signals. All four pairs in the cable are used with symbol rate at 250Mbps on each pair. The module provides standard serial ID information compliant with SFP MSA, which can be accessed with address of A0h via the 2 wire serial CMOS EEPROM protocol. The physical IC can also be accessed via 2 wire serial bus at address A0h.

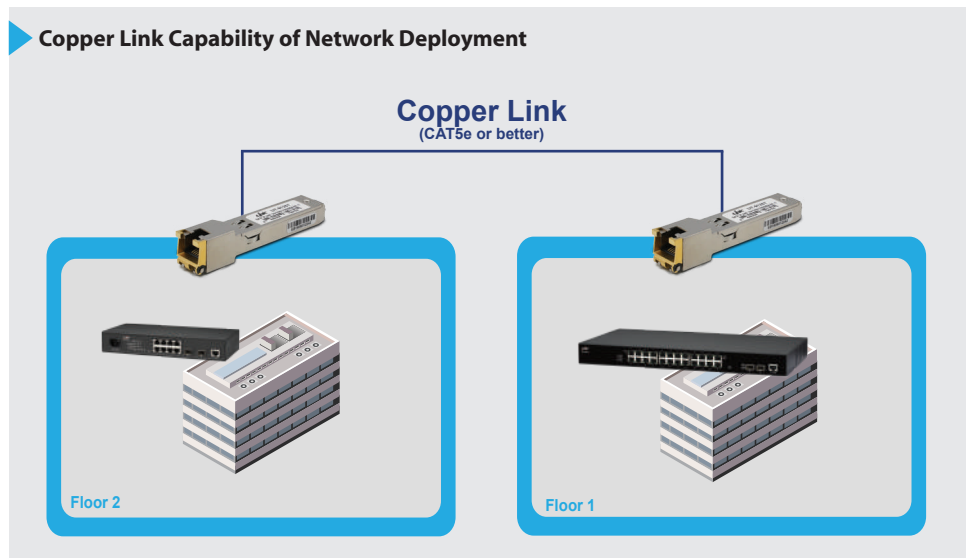
LINK SFP transceivers are a hot-pluggable (or hot-swappable). You can plug-in and out the transceiver to/from any SFP port without having to power down the Media Converter/Switch.

## Features Highlight

- Compliant with IEEE802.3ab Gigabit Ethernet standard
- Up to 1Gbps data link
- Industry standard small form-factor pluggable (SFP) package
- Compliant with Multi-Source Agreement (MSA)
- 1000BASE-T operation in host systems with SERDES interface
- Compact RJ45 connector assembly
- Single power supply 3.3V
- Fully metallic enclosure for low EMI
- Hot-Pluggable
- Low power dissipation (1.05 W typical)
- Access to physical layer IC via 2-wire serial bus
- Operating temperature from 0°C to 70°C
- Plug and Play Installation
- RoHS Compliant

## Applications

- Gigabit Ethernet
- Switch to Switch interface
- Media Converter to Switch interface
- Media Converter to Media Converter interface
- Network Storage
- Router/Server interface
- Switched backplane applications
- 1000Base-T





## Technical Data

| Standards                  |  |
|----------------------------|--|
| IEEE 802.3ab               | 1000Base-T   |
| Data Link                  |  |
| Data Rate                  | 1000Mbps   |
| Max. Distance              | 100m   |
| Mechanical and Environment |  |
| Form Factor                | SFP SERDES   |
| Connector                  | RJ45   |
| DDMI/DOM                   | N/A  |
| Power Supply Voltage       | 3.3V   |
| Operating Temperature      | 0°C to 70°C  |
| Storage Temperature        | -40°C to 85°C  |
| Operating Humidity         | 10% to 95% RH (non-condensing)   |
| Storage Humidity           | 5% to 95% RH (non-condensing)  |
| Compatible List            | LINK, Cisco, Huawei, Dell, TP-Link, D-Link, Zyxel, Mikrotik, Ubiquity, Alcatel, Allied-Telesis, Ruijie, Hikvision, Netgear, Fortigate, Ruckus, Dahua, Juniper, Linksys, etc. |

| Certifications       |  |
|----------------------|--|
| EMI                  | FCC Part 15 of Class B & CE Approved     |
| Green Product        | RoHS                                     |
| Ordering Information |  |
| UT-9125T             | SFP 1.25G Transceiver, 10/100/1000Base-T |

## Drawing

