# OPTICAL TRANSCEIVER

25G SFP28 TRANSCEIVERS

## UT-925G-XX

## Scope of Application

The LINK SFP28 transceivers are high performance, cost effective modules which is the best for all 25G network interface, The UT-925G series can install into Switch products with SFP28 interface and can be compatible with Cisco & other brands.

LINK 25G SFP28 transceivers provide extended connectivity up to 70m (OM3) or 100m (OM4) transmission distance with Multi-mode fiber (MM) and up to 80 km transmission distance with Single-mode fiber (SM).

LINK SFP28 transceivers are a hot-pluggable (or hot-swappable). You can plug-in and out the transceiver to/from any SFP28 port without having to power down the network devices.

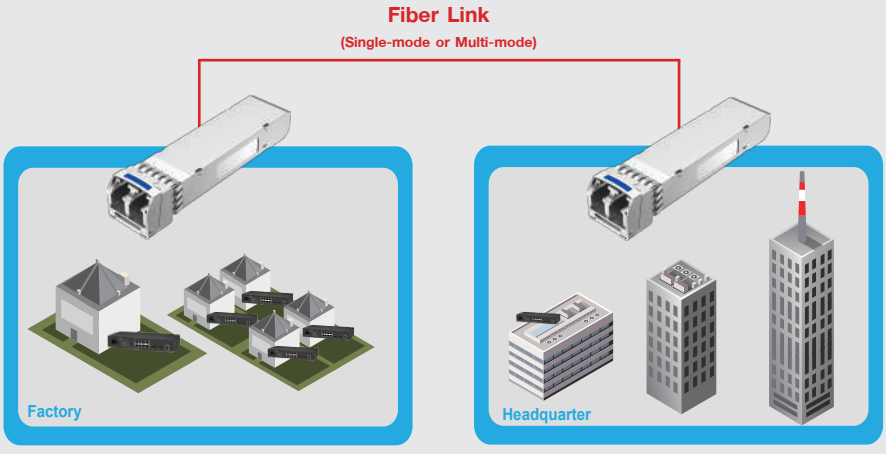
## Features Highlight

- Hot-Pluggable and support data rate up to 25Gbps
- Compliant with 25GBASE 25Gigabit Ethernet standard
- Compliant with SFP28 Multi Source Agreement (MSA)
- 850nm VCSEL and 1310nm DFB transmitter, PIN photo-detector
- Electrical interface compliant to SFF-8431 and SFF-8432
- Digital Diagnostic Monitoring Interface (DDMI) Capability
- Diagnostic Monitoring Interface to SFF-8472
- All-metal housing for superior EMI performance
- Class 1 laser and complies with EN 60825-1
- Low power consumption, Single +3.3V Power supply
- Duplex LC connector
- Operating temperature from 0°C to 70°C
- Cost effective SFP28 solution, enables higher port densities and greater bandwidth
- RoHS Compliant

## Applications

- 25 Gigabit Ethernet
- Fiber Channel
- Switch to Switch interface
- Network Storage
- Router/Server interface
- Switched backplane applications
- Other optical transmission systems
- 25GBase-SR, 25GBase-LR, 25GBase-ER, 25GBase-ZR

### Fiber-Optic Link Capability of Network Deployment



## Technical Data

| Standards | |
|---|---|
| IEEE 802.3 - 2016, 2017 | 25 Gigabit Ethernet |
| **Mechanical and Environment** | |
| Form Factor | SFP28 |
| Connector | Duplex LC |
| DDMI/DOM | Supported |
| 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 | Alcatel, Allied Telesis, Arista, Aruba, Avaya, Brocade, Cisco, Cisco Meraki, Dahua, Dell, Delta, D-Link, Ericsson, Extreme, Fiberhome, Fortinet, H3C, Hikvision, Hirschmann, HP/HPE, Huawei, IBM, INTEL, Juniper, Linksys, Mellanox, MikroTik, Moxa, Netgear, Nokia, Nortel, Palo Alto, QNAP, Ruckus, Ruijie, Sophos, Synology, TP-Link, Ubiquiti, ZTE, Zyxel, etc. |

| Certications | |
|---|---|
| ESD | MIL-STD-883E Method 3015.7 |
| | IEC 61000-4-2 |
| EMI | CISPR22 ITE Class B |
| | FCC Class B & CE |
| | EN 55022 |
| | VCCI Class 1 |
| EMC | IEC 61000-4-3 |
| Product Safety | FDA 21 CFR 1040.10 and 1040.11 |
| | Class 1 Laser |
| | EN 60825-1 |
| | EN 60825-2 |
| | EN 60950-1 |
| Green Product | RoHS |
| **Ordering Information** | |
| UT-925G-XX00 | 25G SFP28 SR MMF 850nm 100m |
| UT-925G-XX10 | 25G SFP28 LR SMF 1310nm 10km |
| UT-925G-XX40 | 25G SFP28 ER SMF 1310nm 40km |
| UT-925G-XX80 | 25G SFP28 ZR SMF 1300nm 80km |

***Note :***

** Specifications subject to change without notice.*

** XX is code of transceiver as requested from compatible list.*

*LC = LINK-Cisco*
*HP = Hewlett Packard*
*AB = Aruba*
*AL = Alcatel-Lucent*
*AT = Arista*
*AY = Avaya*
*BC = Brocade*
*DL = Dell*
*ES = Ericsson*
*ET = Extreme*
*FN = Fortinet*
*HC = H3C*
*HM = Hirschmann*
*HW = Huawei*
*IB = IBM*
*JP = Juniper*
*MN = Mellanox*
*NK = Nokia*
*ZT = ZTE*

## Opical Characteristics

| Part Number | Transmit Power (dBm) | Receive Sensitivity (dBm) | Wavelength (nm) | Operation Distance (m) | | | | | Input Voltage (V) | Connector |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | OM1 62.5/125 | OM2 50/125 | OM3 50/125 | OM4 50/125 | OS2 9/125 | | |
| UT-925G-XX00 | -9.1 to +2.4 | -11 | 850 | Not supported | Not supported | 70 | 100 | - | 3.3 | Duplex LC |
| UT-925G-XX10 | -5 to +2 | -13 | 1310 | - | - | - | - | 10,000 | 3.3 | Duplex LC |
| UT-925G-XX40 | -3 to +6 | -19 | 1310 | - | - | - | - | 40,000 | 3.3 | Duplex LC |
| UT-925G-XX80 | TBD | TBD | 1300 | - | - | - | - | 80,000 | 3.3 | Duplex LC |

## Drawing