



UT-940G-XX



LINK AMERICAN CABLING

Scope of Application

The LINK QSFP+ transceivers are high performance, cost effective modules which is the best for all 40G network interface. The UT-940G series can install into Switch products with QSFP+ interface and can be compatible with Cisco & other brands.

LINK 40G QSFP+ transceivers support 40G Ethernet. These portfolio include SR4 150m, SR Bi-Di 150m, SWDM4 350m provide extended connectivity with Multi-mode fiber (MM) and LR4 10km, ER4 40km, and ZR4 80km with Single-mode fiber (SM).

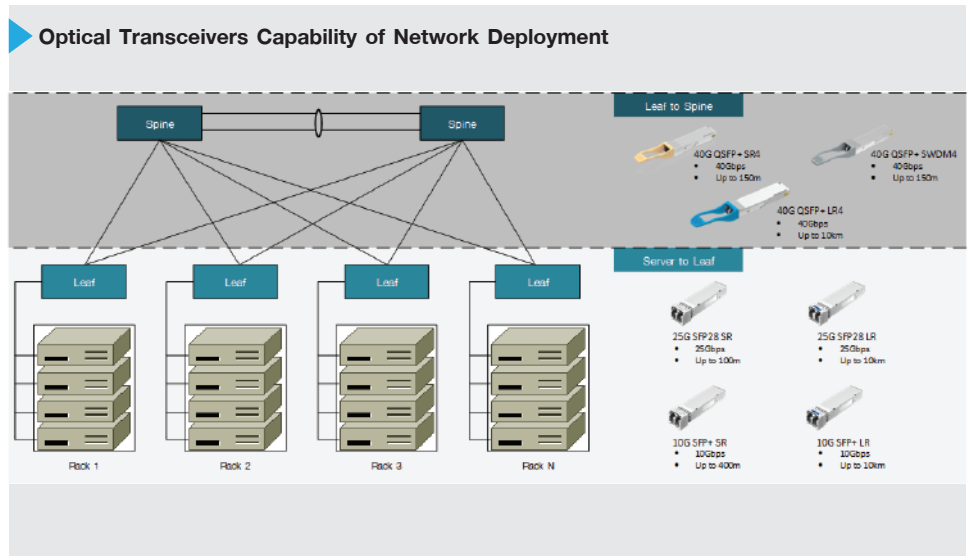
LINK QSFP+ transceivers are a hot-pluggable (or hot-swappable). You can plug-in and out the transceiver to/from any QSFP+ port without having to power down the network devices.

Features Highlight

- Hot-Pluggable and support data rate up to 40Gbps
- Compliant with IEEE 802.3ba 40Gigabit Ethernet standard
- Compliant with QSFP+ Multi Source Agreement (MSA)
- 4-channel VCSEL array for SR4
- 2-channel VCSEL for SR Bi-Di
- 4 SWDM technology for SWDM4
- 4 CWDM technology for LR4 and ER4
- 4 LWDM technology for ZR4
- Compliant to SFF-8436, SFF-8636
- Digital Diagnostic Monitoring Interface (DDMI) compliant 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
- Single MPO connector for SR4
- Duplex LC connector for SR Bi-Di, SWDM4, LR4, ER4 and ZR4
- Operating temperature from 0°C to 70°C
- Cost effective QSFP+ solution, enables higher port densities and greater bandwidth
- RoHS Compliant

Applications

- 40 QSFP+ Form Factor
- 40 Gigabit Ethernet
- Switch to Switch interface
- Network Storage
- Router/Server interface
- Data Center Solution
- ToR, EoR, MoR
- DC Access to DC Aggregation Connection
- Leaf to Spine Connection





Technical Data

| Standards | |
|----------------------------|---|
| IEEE 802.3ba | 40 Gigabit Ethernet |
| Mechanical and Environment | |
| Form Factor | QSFP+ |
| Connector | Single MTP/MPO, 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. |

| Certifications | |
|----------------------|---|
| 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 21CFR 1040.10 and 1040.11 |
| | Class 1 Laser |
| | EN 60825-1 |
| | EN 60825-2 |
| Green Product | EN 60950-1 |
| | RoHS |
| Ordering Information | |
| UT-940G-XX00 | 40G QSFP+ SR4 MMF 850nm 150m |
| UT-940G-XX00-BD | 40G QSFP+ SR Bi-Di MMF 850nm/900nm 150m |
| UT-940G-XX00-SW | 40G QSFP+ SWDM4 MMF 350m |
| UT-940G-XX10 | 40G QSFP+ LR4 SMF 10km |
| UT-940G-XX40 | 40G QSFP+ ER4 SMF 40km |
| UT-940G-XX80 | 40G QSFP+ ZR4 SMF 80km |

Note :

* Specifications subject to change without notice.

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

LC = LINK-Cisco FN = Fortinet

HP = Hewlett Packard HC = H3C

AB = Aruba HM = Hirschmann

AL = Alcatel-Lucent HW = Huawei

AT = Arista IB = IBM

AY = Avaya JP = Juniper

BC = Brocade MN = Mellanox

DL = Dell NK = Nokia

ES = Ericsson ZT = ZTE

ET = Extreme

Optical 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-940G-XX00 | -7.6 to +2.4 | -9.5 | 850 | Not supported | Not supported | 100 | 150 | - | 3.3 | MTP/MPO |
| UT-940G-XX00-BD | TBD | TBD | 850/900 | Not supported | Not supported | 100 | 150 | - | 3.3 | Duplex LC |
| UT-940G-XX00-SW | -7.5 to +3 | -9.1 | SWDM4 | Not supported | Not supported | 200 | 350 | - | 3.3 | Duplex LC |
| UT-940G-XX10 | -6.5 to +2.5 | -11.5 | CWDM4 | - | - | - | - | 10,000 | 3.3 | Duplex LC |
| UT-940G-XX40 | -2.7 to +4.5 | -19 | CWDM4 | - | - | - | - | 40,000 | 3.3 | Duplex LC |
| UT-940G-XX80 | +4 to +7 | -24 | LWDM4 | - | - | - | - | 80,000 | 3.3 | Duplex LC |



Drawing

