OPTICAL TRANSCEIVER

40G QSFP+ TRANSCEIVER

LINK AMERICAN CABLING

UT-940G-XX

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.
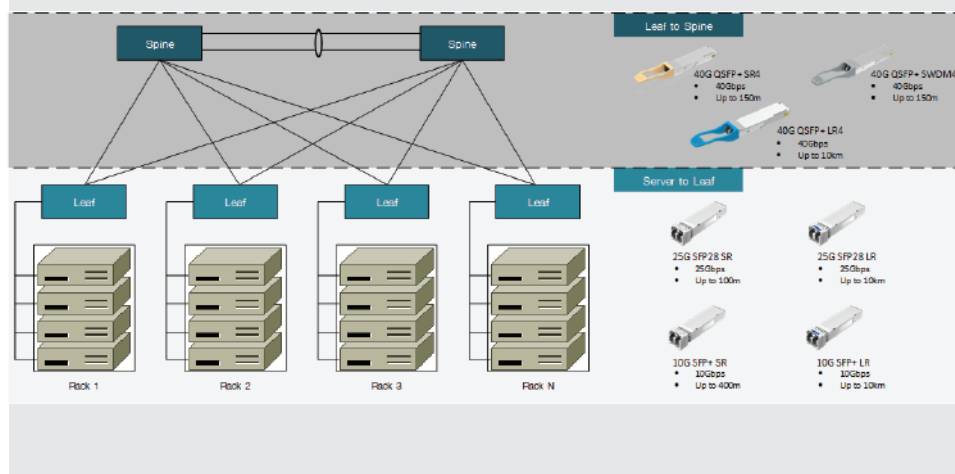
Features Highlight

- 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

▶ **Optical Transceivers Capability of Network Deployment**

UT-940G-XX-V1.9-251225

Technical Data

Standards

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.

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 21CFR 1040.10 and 1040.11
	Class 1 Laser
	EN 60825-1
	EN 60825-2
	EN 60950-1
Green Product	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	CN = Ciena	IB = IBM
HP = Hewlett Packard	DL = Dell	IT = INTEL
AB = Aruba	ES = Ericsson	JP = Juniper
AA = Adva/Adtran	ET = Extreme	MN = Mellanox
AL = Alcatel-Lucent	FN = Fortinet	NK = Nokia
AT = Arista	HC = H3C	SM = Siemens
AY = Avaya	HM = Hirschmann	ZT = ZTE
BC = Brocade	HW = Huawei	

Opical Characteristics

Part Number	Transmit Power (dBm)	Receiver 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