OPTICAL TRANSCEIVER

10G SFP+ TRANSCEIVER

UT-910G-XX

Scope of Application

The LINK SFP+ transceivers are high performance, cost effective modules which is the best for all 10G network interface, The UT-910G series can install into Switch products with SFP+ interface and can be compatible with Cisco & other brands.

LINK 10G SFP+ transceivers provide extended connectivity up to 300m (OM3) or 400m (OM4) transmission distance with Multi-mode fiber (MM) and up to 80 km transmission distance with Single-mode fiber (SM).

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 network devices.

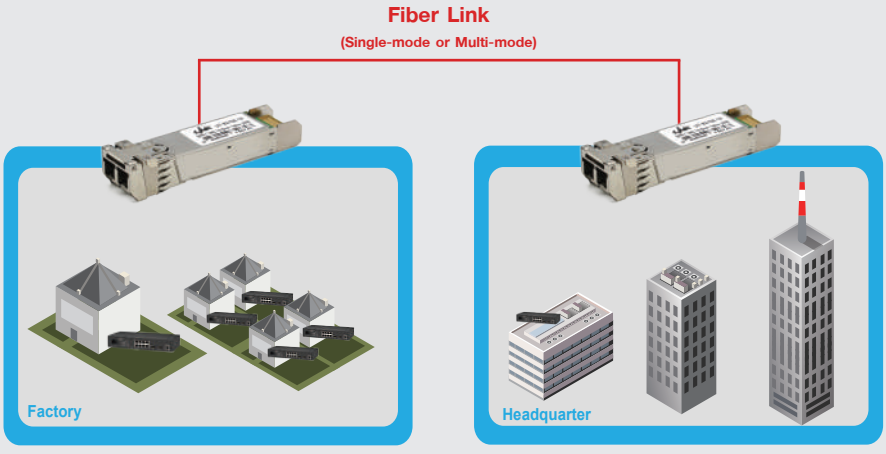
Features Highlight

- Hot-Pluggable and support data rate up to 10Gbps
- Compliant with IEEE802.3ae 10Gigabit Ethernet standard
- Compliant with Fiber Channel standard
- Compliant with SFP+ Multi Source Agreement (MSA)
- 850nm VCSEL and 1310nm DFB transmitter, PIN photo-detector
- Electrical interface compliant to SFF-8431 and SFF-8432
- Class 1 laser and complies with EN 60825-1
- Digital Diagnostic Monitoring Interface (DDMI) Capability
- Diagnostic Monitoring Interface to SFF-8472
- All-metal housing for superior EMI performance
- Low power consumption, Single +3.3V Power supply
- Duplex LC connector
- Operating temperature from 0°C to 70°C
- Cost effective SFP+ solution, enables higher port densities and greater bandwidth
- RoHS Compliant

Applications

- 10 Gigabit Ethernet
- Fiber Channel
- Switch to Switch interface
- Network Storage
- Router/Server interface
- Switched backplane applications
- Other optical transmission systems
- 10GBase-SR, 10GBase-LR, 10GBase-ER, 10GBase-ZR

Fiber-Optic Link Capability of Network Deployment



Technical Data

Standards	
IEEE 802.3ae	10 Gigabit Ethernet
Mechanical and Environment	
Form Factor	SFP+
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-910G-XX00	10G SFP+ SR MMF 850nm 300m
UT-910G-XX10	10G SFP+ LR SMF 1310nm 10km
UT-910G-XX20	10G SFP+ LR SMF 1310nm 20km
UT-910G-XX40	10G SFP+ ER SMF 1550nm 40km
UT-910G-XX60	10G SFP+ ER SMF 1550nm 60km
UT-910G-XX80	10G SFP+ ZR SMF 1550nm 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-910G-XX00	-6.5 to -1	-10	850	33	82	300	400	-	3.3	Duplex LC
UT-910G-XX10	-6 to +0.5	-14.4	1310	-	-	-	-	10,000	3.3	Duplex LC
UT-910G-XX20	-3 to +2	-14.4	1310	-	-	-	-	20,000	3.3	Duplex LC
UT-910G-XX40	-1 to +4	-16	1550	-	-	-	-	40,000	3.3	Duplex LC
UT-910G-XX80	-1 to +4	-23	1550	-	-	-	-	80,000	3.3	Duplex LC

Drawing