OPTICAL TRANSCEIVER

1.25G SFP Bi-Di TRANSCEIVERS

UT-901G-XX-BT
UT-901G-XX-BR



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 other brands.

LINK SFP Bi-Di transceivers are using single-fiber with WDM technology (bi-directional), operate on a single strand of standard SMF. The transceivers provide extended connectivity up to 120km transmission distance. They uses wavelength of 1310nm/1550nm or 1490nm/1550nm with single core of fiber optic to transmit and receive for optical data communications.

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.

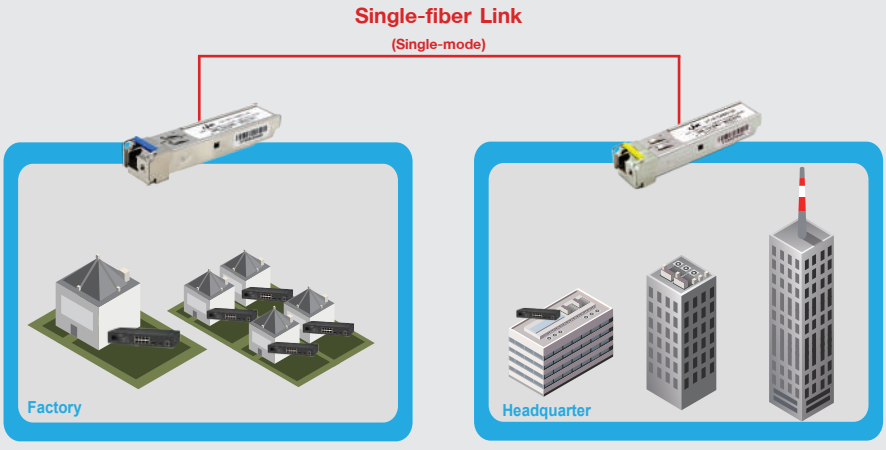
Features Highlight

- Compliant with IEEE 802.3z Gigabit Ethernet standard
- Support data rate up to 1.25Gbps
- Industry standard small form-factor pluggable (SFP) package
- Compliant with Multi-Source Agreement (MSA) and SFF-8472
- Simplex LC connector
- Support Digital Diagnostic Monitoring Interface (DDMI)
- Single power supply 3.3V
- TTL signal detect indicator
- Hot-Pluggable
- Class 1 laser product complies with EN 60825-1
- Operating temperature from 0°C to 70°C
- Plug and Play Installation
- RoHS Compliant

Applications

- Gigabit Ethernet
- Fiber Channel
- Switch to Switch interface
- Media Converter to Switch interface
- Media Converter to Media Converter interface
- Network Storage
- Router/Server interface
- Switched backplane applications
- Other optical transmission systems
- 1000Base-SX, 1000Base-LX, 1000Base-ZX

Fiber-Optic Link Capability of Network Deployment



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Technical Data

Standards	
IEEE 802.3z	1000Base-X
Mechanical and Environment	
Form Factor	SFP
Connector	Simplex 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-901G-XX20-BT35	1.25G SFP Bi-Di SMF 1310nm/1550nm 20km
UT-901G-XX20-BR53	1.25G SFP Bi-Di SMF 1550nm/1310nm 20km
UT-901G-XX40-BT35	1.25G SFP Bi-Di SMF 1310nm/1550nm 40km
UT-901G-XX40-BR53	1.25G SFP Bi-Di SMF 1550nm/1310nm 40km
UT-901G-XX60-BT35	1.25G SFP Bi-Di SMF 1310nm/1550nm 60km
UT-901G-XX60-BR53	1.25G SFP Bi-Di SMF 1550nm/1310nm 60km
UT-901G-XX80-BT45	1.25G SFP Bi-Di SMF 1490nm/1550nm 80km
UT-901G-XX80-BR54	1.25G SFP Bi-Di SMF 1550nm/1490nm 80km
UT-901G-XX120-BT45	1.25G SFP Bi-Di SMF 1490nm/1550nm 120km
UT-901G-XX120-BR54	1.25G SFP Bi-Di SMF 1550nm/1490nm 120km

Note :

** Specifications subject to change without notice.*

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

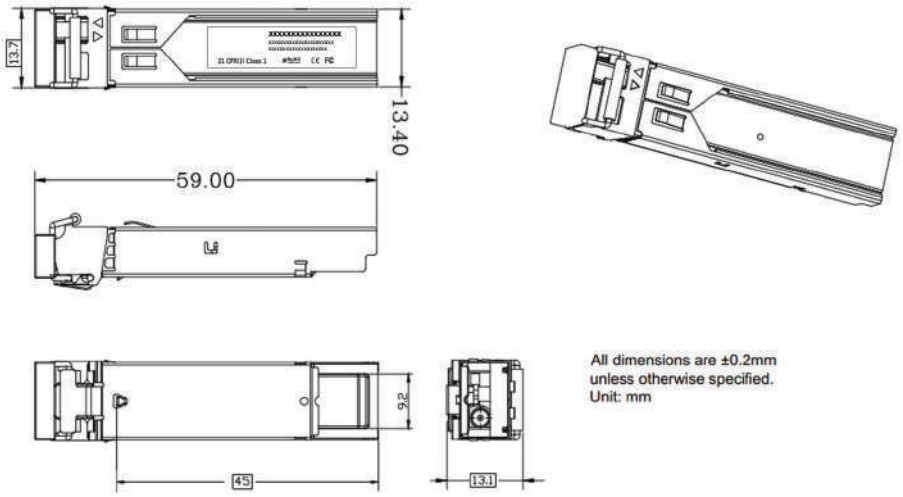
LC = LINK-Cisco
HP = Hewlett Packard
AB = Aruba
AL = Alcatel-Lucent
AT = Arista
AY = Avaya
BC = Brocade
DL = Dell
ES = Ericsson
ET = Extreme
FN = Fortinet
HC = H3C
HM = Hirschmann
HW = Huawei
IB = IBM
JP = Juniper
MN = Mellanox
NK = Nokia
ZT = ZTE

Opical Characteristics

Part Number	Transmit Power (dBm)	Receive Sensitivity (dBm)	Wavelength (nm)		Operation Distance (m)	Input Voltage (V)	Connector
			Transmit	Receive	OS2 (9/125)		
UT-901G-XX20-BT35	-9 to -3	-20	1310	1550	20,000	3.3	Simplex LC
UT-901G-XX20-BT53	-9 to -3	-20	1550	1310	20,000	3.3	Simplex LC
UT-901G-XX40-BT35	-5 to 0	-24	1310	1550	40,000	3.3	Simplex LC
UT-901G-XX40-BT53	-5 to 0	-24	1550	1310	40,000	3.3	Simplex LC
UT-901G-XX80-BT45	0 to +5	-26	1490	1550	80,000	3.3	Simplex LC
UT-901G-XX80-BT54	0 to +5	-26	1550	1490	80,000	3.3	Simplex LC
UT-901G-XX120-BT45	0 to +5	-31	1490	1550	120,000	3.3	Simplex LC
UT-901G-XX120-BT54	0 to +5	-31	1550	1490	120,000	3.3	Simplex LC

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Drawing



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