



UT-901G-XX



OPTICAL TRANSCEIVER

1.25G SFP TRANSCEIVER

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 transceivers provide extended connectivity up to 220/550m or 2km transmission distance with Multi-mode fiber (MMF) and up to 120km transmission distance with Single-mode fiber (SMF).

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.

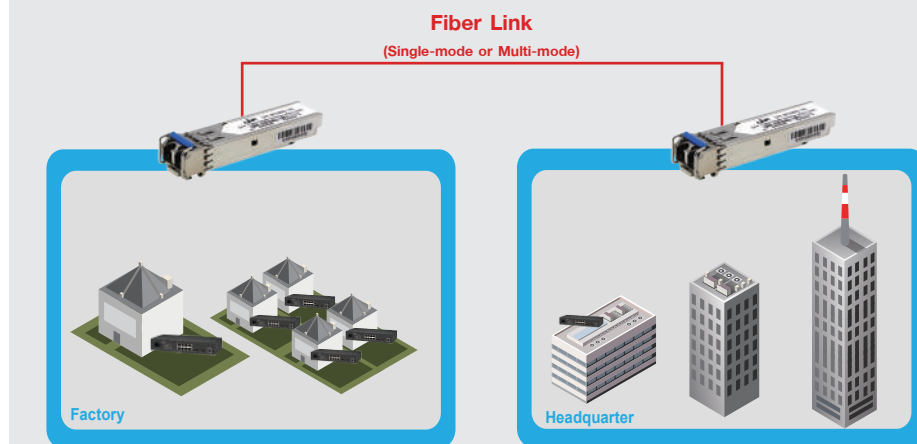
Features Highlight

- 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
- Duplex LC connector
- 850nm VCSEL laser and PIN photodetector
- 1310nm FP laser and PIN photodetector
- 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





Technical Data

Standards	
IEEE 802.3z	1000Base-X
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.

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 21 CFR 1040.10 and 1040.11
	Class 1 Laser
	EN 60825-1
	EN 60825-2
Green Product	EN 60950-1
	RoHS
Ordering Information	
UT-901G-XX00	1.25G SFP SX MMF 850nm 550m
UT-901G-XX02	1.25G SFP MMF 1310nm 2km
UT-901G-XX10	1.25G SFP LX SMF 1310nm 10km
UT-901G-XX20	1.25G SFP LX SMF 1310nm 20km
UT-901G-XX40	1.25G SFP EX SMF 1310nm 40km
UT-901G-XX80	1.25G SFP ZX SMF 1550nm 80km
UT-901G-XX120	1.25G SFP ZX SMF 1550nm 120km

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	

Optical 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-901G-XX00	-9 to -3	-17	850	220	550	550	550	-	3.3	Duplex LC
UT-901G-XX02	-11 to -3	-20	1310	1,000	2,000	2,000	2,000	-	3.3	Duplex LC
UT-901G-XX10	-9 to -3	-20	1310	-	-	-	-	10,000	3.3	Duplex LC
UT-901G-XX20	-9 to -3	-20	1310	-	-	-	-	20,000	3.3	Duplex LC
UT-901G-XX40	-5 to 0	-23	1310	-	-	-	-	40,000	3.3	Duplex LC
UT-901G-XX80	0 to +5	-23	1550	-	-	-	-	80,000	3.3	Duplex LC
UT-901G-XX120	0 to +5	-31	1550	-	-	-	-	120,000	3.3	Duplex LC



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UT-901G-V1.6-251225

Technical drawings of the CTR03 Class 1 device, showing dimensions in millimeters (mm).

Top View Dimensions:

- Width: 13.40 mm
- Height: 13.70 mm

Front View Dimensions:

- Width: 56.6 mm
- Height: 8.50 mm

Side View Dimensions:

- Width: 45 mm

Internal Label Text (Top View):

XXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXX
XXXXXXXXXXXXXXXXXXXX
: CTR03 Class 1 #802 CE HE

Isometric View:

Isometric drawing of the device showing its overall shape and mounting features.

All dimensions are ± 0.2 mm unless otherwise specified.
Unit: mm