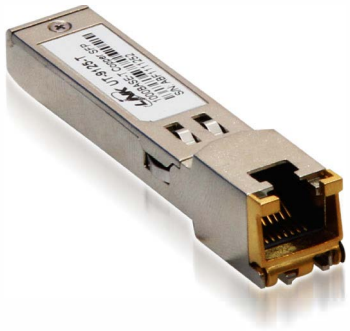
UT-9125-T Series

1000Base-T, SFP, 100m Copper (UTP)

Product Introduction & Benefits



UT-9125-T

LINK UT-9125-T Series Copper Small Form Pluggable (SFP) transceivers is high performance, cost effective module compliant with the Gigabit Ethernet and 1000BASE-T standards as specified in IEEE 802.3-2002 and IEEE 802.3ab, which supporting 1000 Mbps data-rate up to 100 meters reach over unshielded twisted -pair category 5E cable or better. The module supports 1000 Mbps full duplex data-links with 5-level Pulse Amplitude Modulation (PAM) signals. All four pairs in the cable are used with symbol rate at 250Mbps on each pair. The module provides standard serial ID information compliant with SFP MSA, which can be accessed with address of A0h via the 2 wire serial CMOS EEPROM protocol.

The physical IC can also be accessed via 2 wire serial bus at address A0h.

CISCO Compatible

Orther Brand Compatible Available

Ordering Information :

UT-9125-TSD : 1000Base-T, SFP, 100m, Copper (UTP), SERDES

UT-9125-T : 10/100/1000Base-T, SFP, 100m, Copper (UTP), SGMII

Main Features :

- Compliant with IEEE802.3ab Gigabit Ethernet standard
- Up to 1.25Gb/s data links
- Industry standard small form pluggable (SFP) package
- Hot-pluggable SFP footprint
- Temperature range 0°C to +70°C
- Fully metallic enclosure for low EMI
- Low power dissipation (1.05 W typical)
- Hot Pluggable
- Compact RJ-45 connector assembly
- Access to physical layer IC via 2-wire serial bus
- 1000BASE-T operation in host systems with SERDES interface
- 10/100/1000Mbps compliant in host systems with SGMII interface

FCC Class A | CE Approval

UT-9125 Base-T Series Specifications :

PARAMETER	SYMBOL	MIN	TYP	MAX	UNIT	NOTES/CONDITION
Data Rate	BR	10	-	1,000	Mb/sec	IEEE 802.3 compatible. See Notes 2 through 4 below
Cable Length	L	-	-	100	m	category 5E cable or better. BER $<10^{-12}$

* 550 m use with mode conditioning launch patch cord.

Temperature : Operating : 0ºC to +70ºC
Storage : -40ºC to +85ºC

Humidity : Operating : 10% to 95% RH
Storage : 5% to 95% RH

Applications :

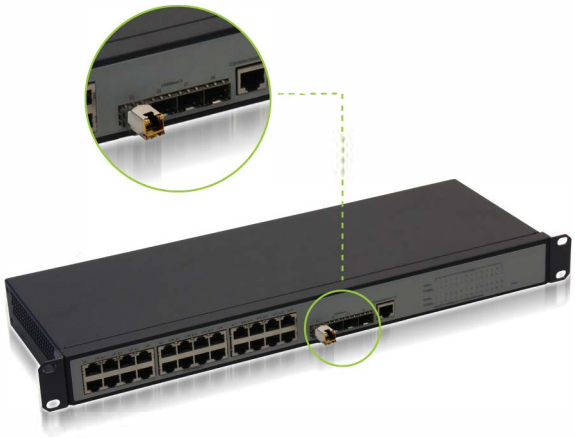
High capacity I/O in Storage Area Networks, Network Attached Storage, and Storage Servers

Switched fabric I/O such as ultra high bandwidth switches and routers

Data center cabling infrastructure

High density connections between networking equipment

Use with Media converter



Use with Switch

Revised 12/2018