

# 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 5 cable. 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**  
Other 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 IEEE802.3z 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



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 5 UTP. BER <math>10^{-12}</math>

\* 550 m use with mode conditioning launch patch cord.

- Temperature :**
  - Operating : 0°C to +70°C
  - Storage : -40°C to +85°C
- 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