

UT-9310TA

10G SFP+ Copper Transceiver

CISCO Compatible and Others Brand Compatible Available



Description

LINK 10G BASE-T Copper Small Form Pluggable Plus (SFP+) transceivers is high performance, cost effective module compliant with the 10 Gigabit Ethernet and 10G BASE-T standards as specified in IEEE 802.3-2015 and IEEE 802.3an, which supporting 10Gbps data-rate up to 30 meters reach over shielded twisted-pair category 6A cable.

The module supports 10Gbps full duplex data-links with 16-level Pulse Amplitude Modulation (PAM) signals. The module provides standard serial ID information compliant with SFP+ MSA, which can be accessed with address of A0h via the 2wire serial bus. The physical IC can also be accessed via 2wire serial bus at address ACh.

Features Highlight

- Data rate up to 10Gbps with full duplex
- Supports Links up to 30m with Cat 6A Cable
- SFF-8431, SFF-8432, SFF-8472 and MSA Compliant
- IEEE 802.3az and 802.3an Compliant
- IEEE 802.3bz for 5G & 2.5G BASE-T
- Hot-pluggable SFP+ footprint
- TX Disable and RX Los function
- Fully metallic enclosure for Low EMI Emissions
- +3.3V single power supply
- Low Power Consumption (2.5W MAX @ 30m)
- Compact RJ-45 connector assembly
- Access to physical layer IC via 2-wire serial bus
- XFI/5GBASE-R/2500BASE-X/SGMII
- SGMII Auto-Negotiation
- Auto-negotiation with other 10GBase-T PHYs
- Support MDI/MDIX
- Built-in Cable Monitoring and Link Diagnostic
- Unshielded and Shielded cable support

Applications

- 10 Gigabit Ethernet over Cat 6A cable or better
- 5 Gigabit Ethernet over Cat 6A cable or better
- 2.5 Gigabit Ethernet over Cat 6A cable or better
- 1.25 Gigabit Ethernet over Cat 5e cable or better
- 10 Gigabit Ethernet
- Switch to Switch interface
- Network Storage
- Router/Server interface
- Switched backplane applications

Specifications

Ordering Information	
UT-9310TA	SFP+ 10G Transceiver, 10GBase-T
Ethernet Standard	
IEEE 802.3ae	10 Gigabit Ethernet
IEEE 802.3an	10GBase-T
Data Link	
Data Rate	Up to 10000Mbps (10Gbps)
Max. Distance	30 m (over Cat 6A)
Mechanical and Environment	
Power Supply Voltage	3.3V
Operating Temperature	0~70°C
Storage Temperature	-40~85°C
Operating Humidity	10~95% RH (non-condensing)
Storage Humidity	5~95% RH (non-condensing)

Standards and Certifications	
EMI	FCC Part 15 of Class B & CE Approved ANSI C63.4:2014
EMC	EN 55032 EN 55035
Green Product	RoHS : 2011/65/EU

Note :
* Specifications subject to change without notice.



Mechanical Dimensions

