

GL-OT-SGRJ45

10/100/1000BASE-T Copper SFP Transceiver



Copper Small Form Pluggable (SFP) transceivers is high performance, cost effective module compliant with the Gigabit Ethernet and 10/100/1000BASE-T standards as specified in IEEE 802.3-2002 and IEEE 802.3ab, which supporting 1000Mbps 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 2wire serial bus at address ACh.

Detailed characteristics

| Characteristic | Value |
|--------------------------------|-------------------------|
| Power, V | 3.3 |
| Temperature, °C | Operation from 0 to +85 |
| Product dimensions (WxDxH), mm | 13.7x13.8x68 |
| Warranty | 1 year |
| Form factor | SFP |
| Connector type | RJ-45 |
| Fiber type | UTP/STP |
| Data transmission distance, km | 0.100 |
| Data transfer rate, Gbit/s | 1.25 |