Quant
ELEVATING TECHNOLOGY

Q-GLC-T

10/100/1000BASE-T SFP COPPER RJ-45 100M TRANSCEIVER

Form Factor	Fiber Type	Connector	Max Reach
SFP	Copper (Cat5e/Cat6 UTP)	RJ-45	100 m

OVERVIEW

The Quant Q-GLC-T is a hot-pluggable copper SFP transceiver designed for Gigabit Ethernet applications over twisted-pair copper cables. It supports 10/100/1000BASE-T operation and enables connectivity up to 100 meters over Cat5e or Cat6 UTP cabling. The module complies with the SFP Multi-Source Agreement (MSA) and IEEE 802.3 / 802.3ab standards.

Key Features

- Hot-pluggable SFP form factor
- Supports 10/100/1000BASE-T Ethernet
- RJ-45 copper interface
- Transmission distance up to 100 m over Cat5e/Cat6 UTP
- Fully metallic enclosure for low EMI
- Compact RJ-45 connector assembly
- Single 3.3 V power supply
- Access to PHY via 2-wire serial interface
- Compliant with SFP MSA and IEEE 802.3 / 802.3ab

Typical Applications

- Gigabit Ethernet networks
- Router / server interface
- Switch-to-switch connections
- LAN 10/100/1000BASE-T links
- Copper uplink for enterprise networks

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TECHNICAL SPECIFICATIONS

Parameter	Specification
Part Number	Q-GLC-T
Description	10/100/1000BASE-T copper SFP transceiver
Form Factor	SFP, hot-pluggable
Data Rate	10 / 100 / 1000 Mbps
Cable Type	Cat5e / Cat6 UTP
Connector	RJ-45
Maximum Reach	100 m
Standards Compliance	IEEE 802.3, IEEE 802.3ab
Electrical Interface	SGMII
Supply Voltage	Single +3.3 V
Supply Current	≤350 mA
Operating Temperature	0°C to +70°C
Storage Temperature	-40°C to +85°C

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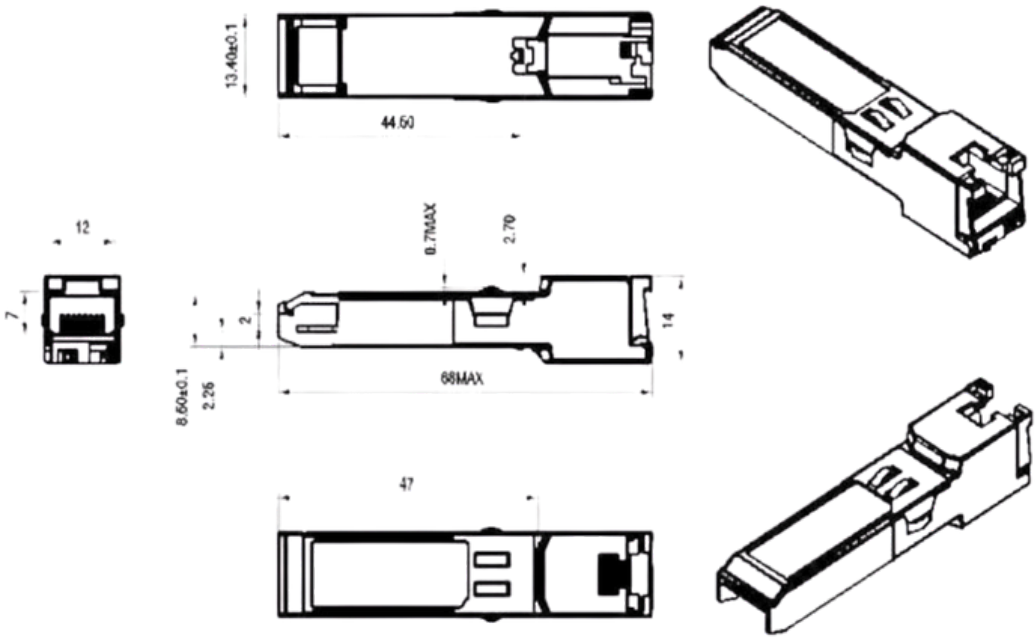
PRODUCT DIMENSION



ORDERING INFORMATION

Q-GLC-T	10/100/1000BASE-T copper SFP transceiver, RJ-45 connector, 100 m over Cat5e/Cat6 UTP, commercial temperature (0~70°C).