

Q-SFP-10G-T-X

2.5GBASE-T COPPER SFP RJ-45 100M TRANSCEIVER



Form Factor	Fiber Type	Connector	Max Reach
SFP+	Copper (Cat6a/Cat7 UTP)	RJ-45	30 m

OVERVIEW

The Quant Q-SFP-10G-T-X is a hot-pluggable copper SFP+ transceiver designed for 10 Gigabit Ethernet connectivity over twisted-pair copper cables. It supports 10GBASE-T operation and enables high-speed networking over Cat6a or Cat7 cables with transmission distances up to 30 meters. The module complies with the SFP+ Multi-Source Agreement (MSA) and IEEE Ethernet standards.

Key Features	Typical Applications
<ul style="list-style-type: none"> Hot-pluggable SFP+ form factor Supports 10GBASE-T Ethernet RJ-45 copper interface Transmission distance up to 30 m over Cat6a/Cat7 cable Fully metallic enclosure for low EMI Compact RJ-45 connector assembly Low power dissipation (<2.5 W) Single +3.3 V power supply Access to PHY via 2-wire serial interface RoHS compliant design 	<ul style="list-style-type: none"> 10 Gigabit Ethernet networks Data center switch uplinks Router / server interfaces Switch-to-switch connections High-speed copper network links

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TECHNICAL SPECIFICATIONS

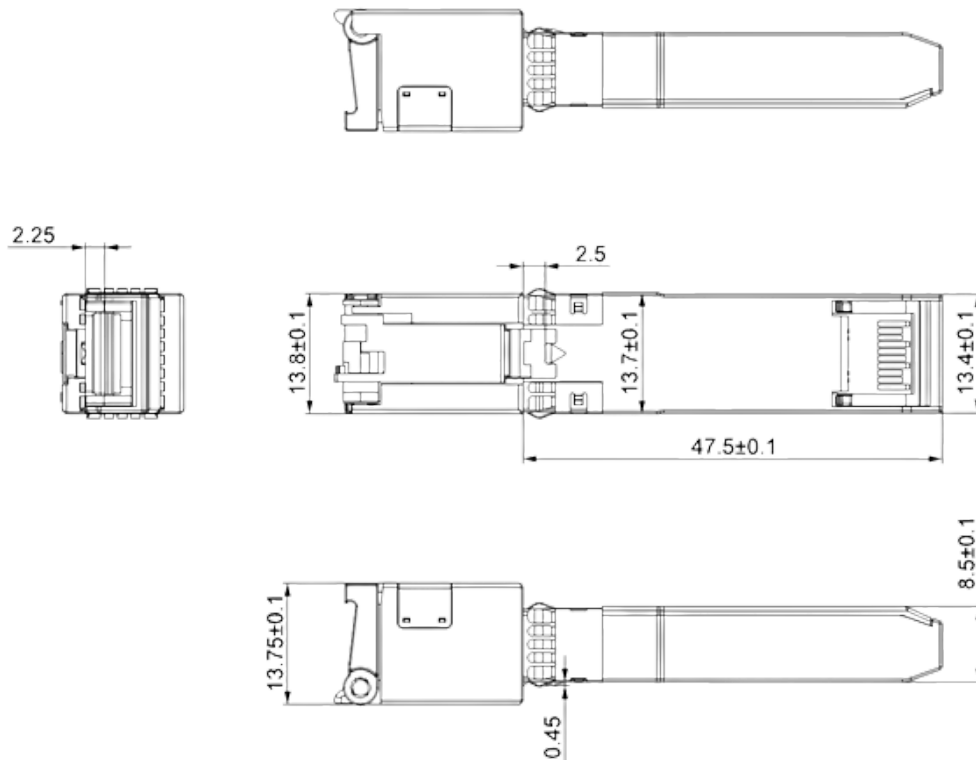
Parameter	Specification
Part Number	Q-SFP-10G-T-X
Description	10GBASE-T copper SFP+ transceiver
Form Factor	SFP+, hot-pluggable
Data Rate	Up to 10.3 Gb/s
Cable Type	Cat6a / Cat7 UTP
Connector	RJ-45
Maximum Reach	30 m
Standards Compliance	IEEE 802.3az / 10GBASE-T
Supply Voltage	Single +3.3 V
Maximum Power Consumption	<2.5 W
Operating Temperature	0°C to +70°C
Storage Temperature	-40°C to +85°C

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PRODUCT DIMENSION



ORDERING INFORMATION

Q-SFP-10G-T-X

10GBASE-T copper SFP+ transceiver, RJ-45 connector, 30 m over Cat6a/Cat7 cable, commercial temperature (0~70°C).