

Q-SFP-LX-20-I

1G SFP SINGLE-MODE OPTICAL TRANSCEIVER, LC, UP TO 20 KM



Form Factor	Fiber Type	Connector	Max Reach
SFP	Single-mode (SMF)	Duplex LC	20 km

OVERVIEW

The Quant Q-SFP-LX-20-I is a hot-pluggable SFP optical transceiver designed for Gigabit Ethernet and fiber channel applications. It operates at 1310 nm wavelength over singlemode fiber (SMF) and supports transmission distances up to 20 km. The module complies with SFP MSA and SFF-8472 standards and provides reliable 1.25 Gb/s optical connectivity for industrial networking environments.

Key Features	Typical Applications
<ul style="list-style-type: none"> • Supports 1.25Gb/s / 1.0625Gb/s data rates • 1310nm FP laser transmitter • Duplex LC optical interface • Transmission distance up to 20km over SMF • Industrial temperature range -40°C to +85°C • Low power consumption (<0.8W) • Digital Diagnostic Monitoring (DDM) support • SFP MSA and SFF-8472 compliant 	<ul style="list-style-type: none"> • Gigabit Ethernet • Fiber Channel • Router / Server interface • Switch to Switch interface • Industrial Ethernet networks

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TECHNICAL SPECIFICATIONS

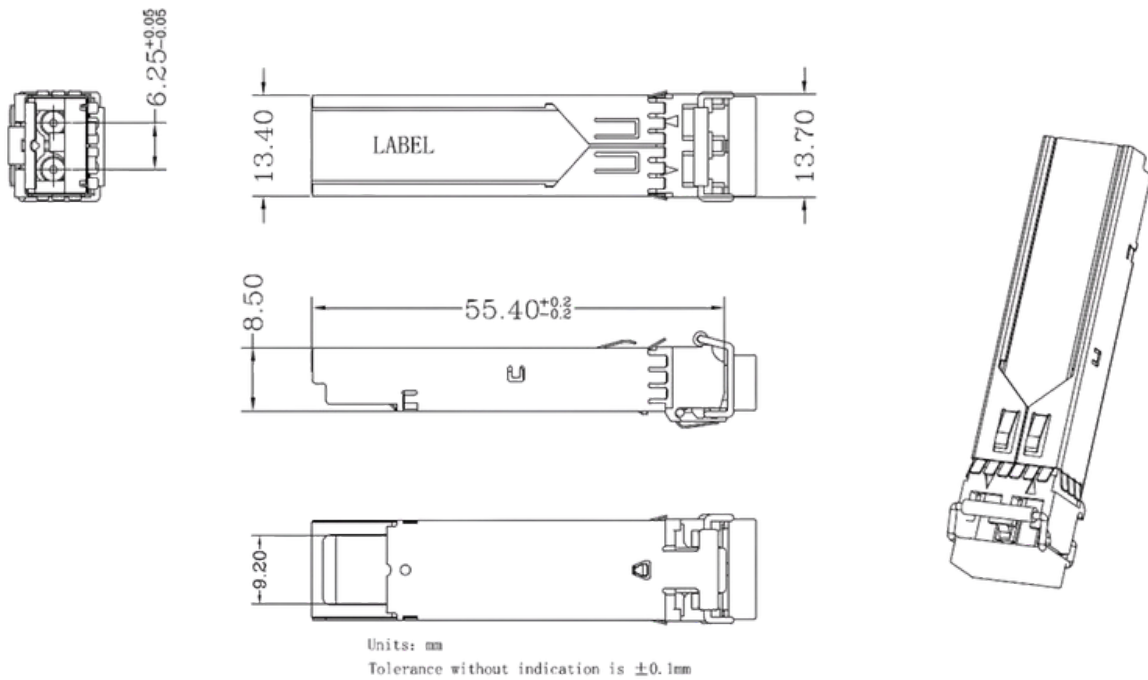
Parameter	Specification
Part Number	Q-SFP-LX-20-I
Description	1G SFP LX optical transceiver with DDM
Form Factor	SFP, hot-pluggable
Data Rate	1.0625 - 1.25 Gb/s
Wavelength	1310 nm
Fiber Type	Single-mode fiber (SMF)
Connector	Duplex LC
Maximum Reach	20 km
Laser Type	FP Laser
Receiver Type	PIN photodiode
Supply Voltage	Single +3.3 V
Power Consumption	<0.8 W
Operating Temperature	-40°C to +85°C
Diagnostics	Temperature, voltage, TX/RX optical power monitoring
Warranty	2 years
Origin of Country	Vietnam

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PRODUCT DIMENSION



ORDERING INFORMATION

Q-SFP-LX-20-I

1G SFP LX optical transceiver, 1310nm, duplex LC connector, 20km over single-mode fiber, industrial temperature (-40~+85°C), with DDM.

