

Q-SFP-SX-I

1G SFP MULTIMODE OPTICAL TRANSCEIVER, LC, UP TO 550 M



Form Factor	Fiber Type	Connector	Max Reach
SFP	Multimode (MMF)	Duplex LC	550 m

OVERVIEW

The Quant Q-SFP-SX-I is a hot-pluggable SFP optical transceiver designed for Gigabit Ethernet short-reach applications. It operates at 850 nm wavelength over multimode fiber (MMF) and supports transmission distances up to 550 m. The module complies with SFP MSA standards and delivers reliable 1.25 Gb/s optical connectivity for industrial networking environments.

Key Features	Typical Applications
<ul style="list-style-type: none">Hot-pluggable SFP form factorSupports up to 1.25 Gb/s data rate850 nm VCSEL laser transmitterDuplex LC optical interfaceMaximum reach up to 550 m on MMFIndustrial temperature range -40°C to +85°CLow power consumptionSingle 3.3 V power supplyDigital Diagnostic Monitoring (DDM) supportSFP MSA compliant	<ul style="list-style-type: none">Gigabit Ethernet (1000BASE-SX)Industrial Ethernet networksSwitch-to-switch interfaceRouter or server interfaceFiber channel links

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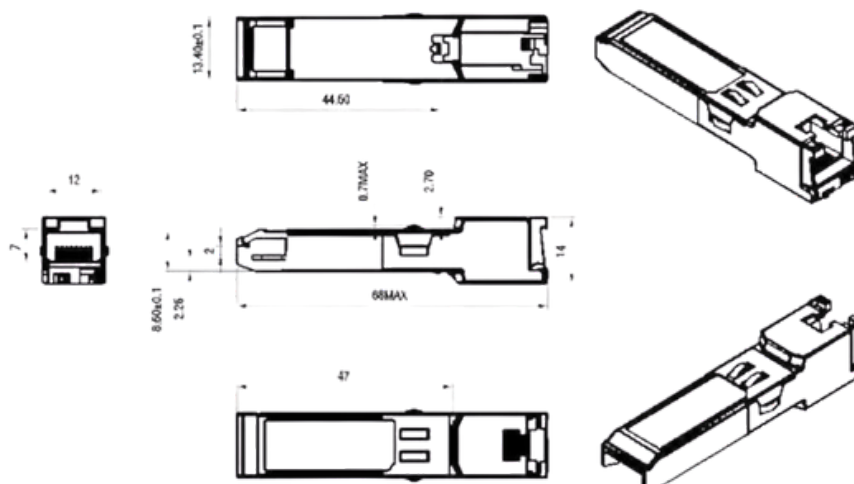
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TECHNICAL SPECIFICATIONS

Parameter	Specification
Part Number	Q-SFP-SX-I
Description	1.25G SFP SX industrial optical transceiver with DDM
Form Factor	SFP, hot-pluggable
Data Rate	1.25 Gb/s
Wavelength	850 nm
Fiber Type	Multimode fiber (MMF)
Connector	Duplex LC
Maximum Reach	550 m
Supply Voltage	Single +3.3 V
Operating Temperature	-40°C to +85°C
Diagnostics	Temperature, voltage and optical power monitoring (DDM)

PRODUCT DIMENSION



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ORDERING INFORMATION

Q-SFP-SX-I

1.25G SFP SX optical transceiver, 850 nm, duplex LC connector, 550 m over multimode fiber, industrial temperature (-40~+85°C), with DDM.