

1G SFP SX 550m Transceiver



S-SFP-1G-SX

Quick Facts

- For 1000BASE-SX Ethernet link
- Supported Data Rates:
1.05 Gbit/s – 1.25 Gbit/s
- Up to 550 m via Multimode OM2
- LC-Duplex Connector

Applications

- 1G Fibre Channel
- 1000Base-SX Ethernet

Description

S-SFP-1G-SX SFP transceiver modules are designed for use in 1 Gigabit Ethernet links over multimode fiber (MMF) for a max. distance of 550m. They are compliant with the SFP+ MSA and IEEE 802.3z-1998 **1000BASE-SX** standard. Digital Diagnostics Management is available. The optical transceiver is compliant per the RoHS Directive 2011/65/EU4.

Specifications

General

Form Factor	SFP	Connector / Polish	LC-Duplex PC
Interface	Multimode	Type	SX
Bandwidth	1.05 Gbit/s – 1.25 Gbit/s	Distance	550 m
Temperature Range	0°C – 70°C	Power Consumption	1 W
DDM	Yes, internally calibrated	CDR	None
SGMII	No	Inbuilt FEC	No

Optical

Wavelength Tx (typical)	850 nm	Wavelength Rx (typical)	850 nm
Transmit min / max	-9.5 dBm / -3 dBm	Receiver min / max	-17 dBm / -3 dBm (overload)
Power Budget	7.5 dB	Receiver Type	PIN
Laser	VCSEL	Modulation	NRZ
Extinction Ratio	0 dB		



Protocols

- Gigabit Ethernet
- 1G Fibre Channel

Warranty

The Switch2Open transceivers include a 1-year limited hardware warranty, which covers parts, repair, or replacement after the unit is received.

Support & Services

Additional support levels including next business day advance replacement are available on demand.

Ordering Information

Part Number	Description
S-SFP-1G-SX	1G SFP SX Transceiver, 850nm, LC, 550m