

1G SFP LX 10km Transceiver



S-SFP-1G-LX

Quick Facts

- For 1000BASE-LX Ethernet links
- Supported Data Rates:
1.05 Gbit/s – 1.25 Gbit/s
- Up to 10 km via Singlemode OS2
- LC-Duplex Connector

Applications

- 1.25Gb/s 1000Base-LX Ethernet
- 1.06 Gb/s Fibre Channel

Description

S-SFP-1G-LX SFP transceiver modules are designed for use in 1 Gigabit Ethernet links over singlemode fiber (SMF) for a max. distance of 10 km. They are compliant with the SFP MSA and IEEE 802.3z-1998 **1000BASE-LX** 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	Singlemode	Type	LX
Bandwidth	1.05 Gbit/s – 1.25 Gbit/s	Distance	10 km
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)	1310 nm	Wavelength Rx (typical)	1310 nm
Transmit min / max	-9 dBm / -3 dBm	Receiver min / max	-18 dBm / -3 dBm (overload)
Power Budget	9 dB	Receiver Type	PIN
Laser	FP	Modulation	NRZ
Transmit and Dispersion Penalty	1 dB	Extinction Ratio	9 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-LX	1G SFP LX Transceiver, 1310nm, LC, 10km