

## 10G SFP+ LR 10km Transceiver



### S-SFP-10G-LR

#### Quick Facts

- For 10GBASE-LR Ethernet links
- Supported Data Rates:  
600 Mbit/s – 11.3 Gbit/s
- Up to 10 km via Singlemode OS2
- LC-Duplex Connector

#### Applications

- 10GBASE-LR/LW 10G Ethernet
- 8/10G Fibre Channel
- Gigabit Ethernet

#### Description

**S-SFP-10G-LR** SFP+ transceiver modules are designed for use in 10 Gigabit Ethernet links over singlemode fiber (SMF) for a max. distance of 10km. They are compliant with the SFP+ MSA and IEEE 802.3ae-2002 **10GBASE-LR** 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	LR
Bandwidth	600 Mbit/s – 11.3 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	-8.2 dBm / 0.5 dBm	Receiver min / max	-14.4 dBm / 0.5 dBm (overload)
Power Budget	6.2 dB	Receiver Type	PIN
Laser	DFB	Modulation	NRZ
Transmit and Dispersion Penalty	3.2 dB	Extinction Ratio	3.5 dB



Protocols	
• Gigabit & 10G Ethernet	• LTE 9.830G / 7.373G
• 8G & 10G FC	/ 6.144G / 4.915G /
• LTE 6.144G / 3.072G / 1.536G / 0.768G OBSAI	2.458G / 1.22G / 0.614G CPRI

## 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-10G-LR	10G SFP+ LR Transceiver, 1310nm, LC, 10km