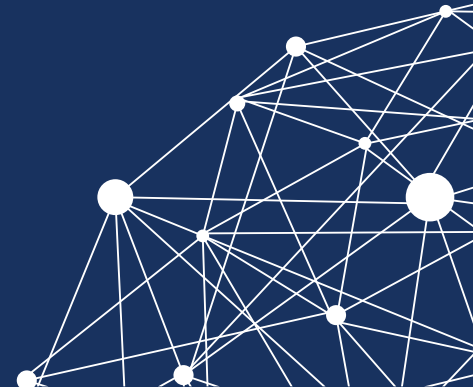


100G QSFP28 DR 500m Transceiver



S-QSFP-100G-DR



Quick Facts

- For 100GBASE-DR Ethernet links
- 106.25 Gbit/s (1× 106.25 Gbit/s)
- Up to 500 m via Singlemode OS2
- LC-Duplex Connector
- Integrated Clock-Data-Recovery (CDR)

Applications

- 100G Ethernet
- Data Center
- High-speed interconnects within and between switches, routers and transport equipment

Description

S-QSFP-100G-DR QSFP28 transceiver modules are designed for use in 100 Gigabit Ethernet links over Singlemode fiber (SMF) for a max. distance of 500 m. They are compliant with the QSFP28 MSA and IEEE 802.3cd-2018 **100GBASE-DR** standard. Digital Diagnostics Management is available.

Specifications

General

Form Factor	QSFP28	Connector / Polish	LC-Duplex PC
Interface	Singlemode	Type	DR
Bandwidth	106.25 Gbit/s	Lane Count / Bandwidth per Lane	1× 106.25 Gbit/s
Distance	500 m	Temperature Range	0°C – 70°C
Power Consumption	4.5 W	DDM	Yes, internally calibrated
CDR	TX and RX	SGMII	No
Inbuilt FEC	Yes		

Optical

Wavelength Tx (typical)	1311 nm	Wavelength Rx (typical)	1311 nm
Transmit min / max	-2.9 dBm / 4 dBm	Receiver min / max	-5.9 dBm / 4 dBm (overload)
Power Budget	3 dB	Receiver Type	PIN
Laser	EML	Modulation	PAM4
Transmit and Dispersion Penalty	3.4 dB	Extinction Ratio	3.5 dB

Protocols

- 100G Ethernet

Warranty

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

Support & Services

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

Ordering Information

Part Number	Description
S-QSFP-100G-DR	100G QSFP28 DR Transceiver, 1311nm, LC, 500m