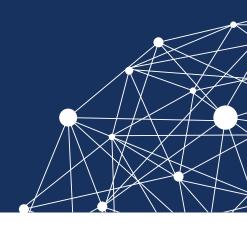# #SWITCH2OPEN

Datasheet

40G QSFP+ SR4 100m Transceiver

S-QSFP-40G-SR4

Quick Facts

- For 40GBASE-SR4 Ethernet links
- Data Rates: 41.2 Gbit/s (4× 10.3 Gbit/s)
- Up to 100 m via Multimode OM3
- MTP/MPO-8/12 Connector

Applications

- 40GBASE-SR4 40G Ethernet
- Breakout to 4 x 10GBASE-SR Ethernet

Description

S-QSFP-40G-SR4 QSFP+ transceiver modules are designed for use in 40 Gigabit Ethernet links over multimode fiber (MMF) for a max. distance of 100m. They are compliant with the QSFP+ MSA and IEEE 802.3ba **40GBASE-SR4** standard. Digital Diagnostics Management is available. The optical transceiver is compliant per the RoHS Directive 2011/65/EU4.

40G QSFP+ SR4 100m Transceiver

Specifications

General

Form Factor	QSFP+	Connector / Polish	MTP/MPO PC
Interface	Multimode	Type	SR4
Bandwidth	41.2 Gbit/s	Lane Count / Bandwidth per Lane	4× 10.3 Gbit/s
Distance	100 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)	4× 850 nm	Wavelength Rx (typical)	4× 850 nm
Transmit min / max	-7.6 dBm / 1 dBm	Receiver min / max	-9.5 dBm / 2.4 dBm (overload)
Power Budget	1.9 dB	Receiver Type	PIN
Laser	VCSEL	Modulation	NRZ
Extinction Ratio	3 dB		

Protocols

- 10G Ethernet
- 40G Ethernet

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-QSFP-40G-SR4	40G QSFP+ SR4 Transceiver, 850nm, MTP/MPO, 100m