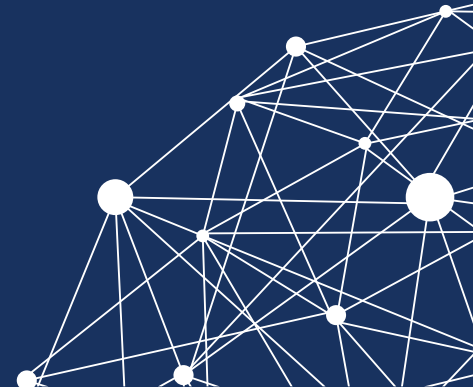


## 400G QSFP-DD DR4 500m Transceiver



**S-QSFP-400G-DR4**



### Quick Facts

- For 400GBASE-DR4 Ethernet links
- 425 Gbit/s (4× 106.25 Gbit/s)
- Up to 500 m via Singlemode OS2
- MTP/MPO APC Connector
- Integrated Clock-Data-Recovery (CDR)

### Applications

- 400G DR4 Links over 500m via OS2 Fiber
- 400G Breakout to 4× 100G

### Description

**S-QSFP-400G-DR4** QSFP-DD transceiver modules are designed for use in 400 Gigabit Ethernet links over singlemode fiber (SMF) for a max. distance of 500 m. They are compliant with the QSFP-DD MSA and IEEE 802.3bs **400GBASE-DR4** standard. Digital Diagnostics Management is available.

## Specifications

### General

Form Factor	QSFP-DD	Connector / Polish	MTP/MPO APC
Interface	Singlemode	Type	DR4
Bandwidth	425 Gbit/s	Lane Count / Bandwidth per Lane	4× 106.25 Gbit/s
Distance	500 m	Temperature Range	0°C – 70°C
Power Consumption	12 W	DDM	Yes, internally calibrated
CDR	TX and RX	SGMII	No
Inbuilt FEC	Yes		

### Optical

Wavelength Tx (typical)	4× 1310 nm	Wavelength Rx (typical)	4× 1310 nm
Transmit min / max	-0.8 dBm / 4.2 dBm	Receiver min / max	-4.4 dBm / 4 dBm (overload)
Power Budget	3.6 dB	Receiver Type	PIN
Laser	EML	Modulation	PAM4
Transmit and Dispersion Penalty	3.4 dB	Extinction Ratio	3.5 dB

### Protocols

- 400G 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-400G-DR4	400G QSFP-DD DR4 Transceiver, 4× 1310nm, MTP/MPO APC, 500m