

# QSFP-DD SR8

## 400G Ethernet SR8 Transceiver

### DESCRIPTION

The QSFP-DD 400G SR8 transceiver is a 400 Gbit/s pluggable module for optical data communications such as 400GBASE Ethernet. The transceiver operates with eight parallel data streams of 53.125 Gbps in order to provide an aggregated signaling rate of 425 Gbps. The module has an MPO16 male connector and uses eight fiber pairs to create the four data lanes.

The module is fully compliant with all QSFP-DD related MSA's and Digital Diagnostic functions are available through an I2C interface. QDD-400G-SR8 complies with IEEE 802.3 and 400Gbase-SR8.

### APPLICATIONS

- 400GBASE-SR8
- 50GBASE-SR
- Data Center

### FEATURES

- Up to 100 m transmission on OM4 multimode fiber
- Hot-Pluggable QSFP footprint
- MPO Optical interface
- QSFP-DD MSA compatible
- Digital Diagnostics Monitoring interface
- Single 3.3 V power supply
- Power dissipation < 10 W
- RoHS-6 compliant (lead-free)
- Case operating temperature: 0°C to 70°C



### LASER SAFETY

This transceiver is a Class 1 laser product. It complies with IEC-60825 and FDA 21 CFR 1040.10 and 1040.11. The transceiver must be operated within the specified temperature and voltage limits. The optical ports of the module need to be terminated with an optical connector or a dust plug.

### OPTICAL PARAMETERS

Part no.	SM/MM Fiber	Wavelength [nm]	Opt. Output Power [dBm]	Opt. Receiver Sensitivity [dBm]	Power Budget [dB]
QDD-400G-SR8	MM	850 nm	-6 to 4	-8 to 4	2

Optical power values are per channel

### ORDERING INFORMATION

Part no.	Description
QDD-400G-SR8	QSFP-DD, 400Gbase-SR8, 8x50.125Gbps, 850nm, DDM, 100m, 2dB, MM