

TS-QSFP-SR4 40Gb/s QSFP+ SR4 Optical Transceiver



Product Features

- Four-channel full-duplex transceiver modules
- Transmission data rate up to 11.3Gbit/s per channel
- Up to 100m on OM3 Multimode Fiber (MMF) and 150m on OM4 MMF
- Low power consumption <1.5W
- Operating case temperature: 0 to 70°C
- 3.3V power supply voltage
- Hot Pluggable QSFP form factor
- MPO connector receptacle
- Built-in digital diagnostic function

Applications

- Proprietary High Speed Interconnections
- Infiniband QDR and DDR interconnects
- Data Center

Features

- * Transmission data rate up to 11.1Gbps per channel
- * Electrically hot-swappable
- * 40G Ethernet, Infiniband QDR, SATA/SAS3, IEEE 802.3ba, MSA Compliant
- * Compliant with QSFP+ MSA
- * Compliant to INF-8438
- * Operating temperature range: 0~70°C
- * Power dissipation < 3.5 W
- * Supports Digital Diagnostics Monitoring
- * RoHS6 Compliant

Specifications

- * Form Factor: QSFP+
- * Data Rate: 40Gb/s
- * Wavelength: 850nm
- * Fiber Type: MMF
- * Max Distance: 100m
- * Optical Components: DFB/PIN
- * Operating Temperature: 0~70°C
- * Diagnostics: Yes
- * Connector: MTP/MPO
- * Application: 40GBASE-SR4 40G Ethernet, Data Center and LAN

The TS-QSFP-SR4 is a Four-Channel, Pluggable, Parallel, Fiber-Optic QSFP+ Transceiver for InfiniBand QDR/DDR/SDR, 12G/10G/8G/4G/2G fiber channel, PCIe and SAS Applications. The QSFP full-duplex optical module offers 4 independent transmit and receive channels, each capable of 11.3Gbps operation for an aggregate data rate of 45.2Gbps 100m using OM3 fiber. These modules are designed to operate over multimode fiber systems using 850nm VCSEL laser array. An optical fiber ribbon cable with an MPO/MTP connector can be plugged into the QSFP module receptacle. QSFP+ SR4 is one kind of parallel transceiver which provides increased port density and total system cost savings.

Ordering Information

Part Number	Description
TS-QSFP-SR4	QSFP+ SR4 100m optical transceiver with full real-time digital diagnostic monitoring and pull tab

Regulatory Compliance

Feature	Standard	Performance
Electromagnetic Interference (EMI)	FCC Part 15 Class B EN 55022:2010, Class B	Compatible with standards
Electromagnetic susceptibility (EMS)	EN 55024:2010	Compatible with standards
Laser Eye Safety	FDA 21CFR 1040.10 and 1040.11 EN60950, EN (IEC) 60825-1,2	Compatible with Class I laser product