40G QSFP+ SR4 MPO MMF

Variants

40G MPO 150M 40G MPO 100M

Details

40G QSFP+ SR4 Optical Transceiver – QSFP-SR4-40G

The **40G QSFP+ SR4 Transceiver** is a high-speed multimode optical module designed for short-distance 40G Ethernet connectivity in data centers, enterprise networks, cloud infrastructure, and high-performance computing environments.

It uses **850nm VCSEL technology** with an **MPO-12 optical interface** to deliver stable 40G transmission up to **150m on OM4** and **100m on OM3 multimode fiber**.

Category	Specification
Model	QSFP-SR4-40G
Brand / Vendor	FS
Product Type	40G QSFP+ Optical Transceiver
Form Factor	QSFP+
Data Rate	41.25 Gbps
Wavelength	850 nm

Category	Specification
Transmission Distance	150m on OM4 MMF / 100m on OM3 MMF
Connector Type	MPO-12 Male
Fiber Type	Multimode Fiber (MMF)
Core Size	50 ?m
Transmitter Type	VCSEL Laser
Receiver Type	PIN Photodiode
Transmit Power	–7.1 to +1.9 dBm
Receiver Sensitivity	? –5.4 dBm
Receiver Overload	? +2.4 dBm
Extinction Ratio	> 3 dB
Modulation Format	NRZ
Digital Diagnostics	Supported (DOM / DDM)
Forward Error Correction	Supported (Host-based)
Modal Bandwidth	OM3: 2000 MHz·km / OM4: 4700 MHz·km
Power Consumption	1.5W
Operating Temperature	0°C to +70°C
Compliance	IEEE 802.3 40GBASE-SR4, SFF-8436

Key Features

- Supports 40G high-speed optical transmission
- QSFP+ hot-pluggable form factor
- 850nm VCSEL laser technology
- MPO-12 interface for high-density cabling
- Supports OM3 and OM4 multimode fiber
- Low power consumption under 1.5W
- DOM / DDM monitoring support
- Suitable for data center and enterprise backbone networks

Applications

- 40G Ethernet Networks
- Data Center Interconnect
- Cloud Computing Infrastructure
- Enterprise Backbone Networks
- High Performance Computing (HPC)
- Switch-to-Switch Connectivity

Note: Use OM3 or OM4 MPO fiber patch cords with correct MPO polarity for stable 40G SR4 optical transmission.

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