Cisco QDD-2X100-SR4-S Datasheet

Cisco QDD-2X100-SR4-S 2x100G QSFP-DD Transceiver, 2X 100GBASE-SR4, MPO-24 MMF, 100m OM4

QDD-2X100-SR4-S

The Cisco family of QSFP-DD modules provide the industry's highest bandwidth density while leveraging the backward compatibility to lower-speed QSFP pluggable modules and cables.

The Cisco 400GBASE Quad Small Form-Factor Pluggable Double Density (QSFP-DD) portfolio offers customers a wide variety of super high-density transceiver modules and the flexibility of 400 Gigabit Ethernet connectivity options for data center, high-performance computing networks, enterprise core and distribution layers, and service provider applications. The QSFP-DD modules are our new generation of 400G transceiver modules based on a QSFP-DD form factor.

Features and benefits of Cisco QSFP-DD modules

- Hot-swappable - Input/output device that plugs into 400G Ethernet Cisco QSFP port
- Interoperable - Interoperable with other IEEE-compliant 400GBASE interfaces where applicable
- Certified on Cisco platform - Certified and tested on Cisco QSFP-DD 400G ports for superior performance, quality, and reliability
- Compatible with IEEE 802.3 - High-speed electrical compliant to IEEE 802.3cd and IEEE 802.3bs
- Compatible with MSA - Optical and coding compliant to QSFP-DD MSA Rev4.1, OIF 56G PAM4, and 100G Lambda-

FR4 MSA

- Backward compatibility - QSFP-DD port is backward compatible with QSFP+ and QSFP28 modules

QDD-2X100-SR4-S

The Cisco QDD-2X100-SR4-S Module supports link lengths of up to 100m on OM4 MMF. The module uses an MPO-24 MMF connector. It is compliant to IEEE 802.3 100GBASE-SR4 requirements. The module provides backward compatibility to two 100GBASE-SR4 transceivers, improving port efficiency to legacy 100G optical interfaces.

Specifications

- Part ID: QDD-2X100-SR4-S
- Product description: Cisco 2x100G QSFP-DD Transceiver, 2X 100GBASE-SR4, MPO-24 MMF, 100m OM4
- Nominal wavelength: 850nm
- Cable type: Ribbon MMF
- Cable distance: 100m
- Pull tab color: Beige
- Nominal rate: 2x100GE
- High-speed electrical: 2x 100G CAUI-4
- Average Transmit Power per lane (dBm) min: -8.4
- Average Transmit Power per lane (dBm) max: +2.4
- Average Receive Power per lane (dBm) min: -10.3
- Average Receive Power per lane (dBm) max: +2.4
- Maximum Supported Insertion Loss (IL) (dB): 1.9
- Max power consumption (W): 12W

- Operation temperature: 0 to 75°C

- Storage temperature: -40 to 85°C

Platform support

Cisco QDD-2X100-SR4-S is supported on a wide range of Cisco equipment.

- Cisco Nexus 9316D-GX
- Cisco N3432D-S

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