Cisco QSFP-100G-SR4-S Datasheet

Cisco QSFP-100G-SR4-S 100GBASE-SR4 QSFP Transceiver, MPO-12, 100m over OM4 MMF

QSFP-100G-SR4-S

The Cisco 100GBASE Quad Small Form-Factor Pluggable (QSFP) portfolio offers customers a wide variety of high-density and low-power 100 Gigabit Ethernet connectivity options for data center, high-performance computing networks, enterprise core and distribution layers, and service provider applications. The QSFP-100G modules are our latest generation of 100G transceiver modules solution based on a QSFP form factor.

Features and benefits of Cisco QSFP modules

- Hot-swappable input/output device that plugs into a 100G Gigabit Ethernet Cisco QSFP port
- Interoperable with other IEEE-compliant 100GBASE interfaces where applicable
- Certified and tested on Cisco QSFP-100G ports for superior performance, quality, and reliability
- High-speed electrical interface compliant to IEEE 802.3bm

Cisco QSFP-100G-SR4-S

The Cisco 100GBASE-SR4-S QSFP Module supports link lengths of up to 70m (100m) over OM3 (OM4) Multimode Fiber with MPO connectors. It primarily enables high-bandwidth 100G optical links over 12-fiber parallel fiber terminated

with MPO multifiber connectors. QSFP-100G-SR4-S supports 100GBase Ethernet rate.

Specifications

- Product Number: QSFP-100G-SR4-S
- Description: Cisco 100GBASE-SR4 QSFP Transceiver, MPO-12, 100m over OM4 MMF
- Connector Type: MPO-12 (12 fibers)
- Wavelength: 850nm
- Cable Type: MMF
- Cable Distance:
    - 70m @ OM3
    - 100m @ OM4/OM5
- Power Consumption: 3.5W
- Pull Tab Color: Beige
- Transmit Power (dBm) per lane:
    - Maximum: +2.4
    - Minimum: -8.4
- Receive Power (dBm) per lane:
    - Maximum: +2.4
    - Minimum: -10.3
- Transmit and Receive Wavelength (nm): 840 to 860

Dimensions

- Maximum outer dimensions for the QSFP connector module are (H x W x D) 13.5 x 18.4 x 72.4 mm.
- Cisco QSFP connector modules typically weigh 100 grams or less.

Environmental conditions

- Operating temperature range: Commercial temperature range: 0 to 70°C (32 to 158°F)
- Storage temperature range: -40 to 85°C (-40 to 185°F)

Platform support

Cisco QSFP-100G-SR4-S is supported on a wide range of Cisco equipment.

- Cisco NCS-5501
- Cisco ONS Transport Platform NCS-1002-K9
- Cisco Nexus N9K-C92160YC-X
- Cisco Nexus 9000 Series (Fixed 9200) N9K-C92160YC-X
- Cisco Nexus 9000 Series (Modular 9500) N9K-X9432C-S
- Cisco Nexus 9300-EX Series 93180YC-EX
- Cisco Nexus 3000 Series N3K-C3232C
- Cisco Catalyst C9500-24Y4C

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