

Cisco QSFP-40G-CSR-S Datasheet



Cisco QSFP-40G-CSR-S 40GBASE-CSR QSFP Module for Duplex MMF

QSFP-40G-CSR-S

The Cisco 40GBASE QSFP (Quad Small Form-Factor Pluggable) portfolio offers customers a wide variety of high-density and low-power 40 Gigabit Ethernet connectivity options for data center, high-performance computing networks, enterprise core and distribution layers, and service provider applications.

Features and benefits of Cisco QSFP modules

- Hot-swappable input/output device that plugs into a 40 Gigabit Ethernet Cisco QSFP port
- Interoperable with other IEEE-compliant 40GBASE interfaces where applicable
- Certified and tested on Cisco QSFP 40G ports for superior performance, quality, and reliability
- High-speed electrical interface compliant to the IEEE 802.3ba standard
- QSFP Form factor, 2-wire I2C communication interface and other low-speed electrical interface compliant to SFF 8436 and QSFP Multisource Agreement (MSA)

Cisco QSFP-40G-CSR-S (S-Class)

The QSFP-40G-CSR-S is a pluggable optical transceiver with a duplex LC connector interface used for connectivity using

MultiMode Fiber (MMF). The Cisco 40GBASE-CSR Modules support link lengths of 300 and 400 meters, respectively, on laser-optimized OM3, and OM4/OM5 multimode fibers. Customers benefit through the reuse of their existing 10 gigabit duplex MMF infrastructure as they migrate to 40 Gigabit Ethernet, while maintaining the same supported link distances as 10G Ethernet. Each QSFP-40G-CSR-S operates at four different wavelengths. Each of the four wavelengths operates at 10G over existing duplex multimode fiber using standard LC connectors. The Cisco QSFP-40G-CSR-S transceiver does not support FCoE.

Specifications

- Product number: QSFP-40G-CSR-S
- Description: Cisco 40GBASE-CSR QSFP Module for Duplex MMF
- Product Type: 40GBASE-SR, duplex MMF
- Connector Type: LC
- Wavelength: 850nm
- Cable type: MMF
- Cable distance:
 - 300m @ OM3
 - 400m @ OM4/OM5
- Power consumption: 3.5W
- Pull tab color: Orange
- Transmit power (dBm)
 - Maximum: +3, per lane
 - Minimum: -7, per lane
- Receive power (dBm)
 - Maximum: +3, per lane
 - Minimum: -9, per lane
- Transmit and receive wavelength (nm): Four lanes: 850, 880, 910, 940
- 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-40G-CSR-S is supported on a wide range of Cisco equipment.

- Cisco Nexus 9396PX
- Cisco Nexus 5000 N5K-C56128P
- Cisco Nexus 9000 N9K-C9372TX
- Cisco Nexus 3000 N3K-C3064X
- Cisco Nexus 3000 N3K-C3132Q-X
- Cisco Nexus 3000 N3K-C3064T
- Cisco Nexus 9000 N9K-C9272Q
- Cisco Nexus 3000 N3K-C31128PQ-10GE
- Cisco Nexus 9000 N9K-X9464TX
- Cisco Nexus 9000 N9K-C9372PX
- Cisco 3850WS-C3850-48XS-E
- Cisco Nexus 3000 N3K-C3064PQ-10GE
- CISCO Nexus 93180LC-EX
- Cisco Nexus 7000 N77-F324FQ-25
- Cisco Nexus 9000 N9K-X9432PQ
- Cisco NCS-5501
- Cisco Nexus 7000 N7K-M206FQ-23L
- Cisco Nexus 9000 N9K-C9372TX-E
- Cisco Nexus 9000 N9K-M6PQ-E
- Cisco Nexus 6000 N6K-C6001-64T
- Cisco Nexus 5000 N5K-C5672UP
- Cisco Nexus 3000 N3K-C3232C
- Cisco A9K-MPA-2X40GE
- Cisco Nexus 6000 N6004-96Q
- CISCO Nexus 9336C-FX2
- Cisco Nexus 2000 N2K- 2332TQ
- Cisco Nexus 9000 N9K-M6PQ-E
- Cisco Nexus 9000 N9K-X9736PQ

- Cisco Nexus 9000 N9K-C9372PX-E
- Cisco Nexus 9000 N9K-C9372PX
- Cisco Nexus 9300-EX Series 93180YC-EX
- Cisco Nexus 3000 N3K-3172PQ
- Cisco 3850 WS-C3850-48XS-S
- Cisco Nexus 9000 N9K-C93120TX
- Cisco Nexus 9000 N9K-C9332PQ
- Cisco Nexus 9000 N9K-X9564PX (uplinks)
- Cisco Nexus 9000 N9K-C92160YC-X
- Cisco Nexus 2000 N2K-C2248PQ
- Cisco Nexus 9000 N9K-M12PQ
- Cisco Nexus 6000 N6K-C6004-M12Q
- Cisco Nexus 3000 N3K-3172TQ
- Cisco Nexus 3000 N3K-C3164Q
- Cisco Nexus 9000 N9K-M6PQ
- Cisco Nexus 9000 N9K-X9636PQ
- Cisco Nexus 9000 N9K-C9336PQ
- Cisco Catalyst C9500-24Y4C
- Cisco Nexus 3000 N3K-C3064-32T
- Cisco Nexus 7000 N7K-F312FQ-25
- Cisco Nexus 3000 N3K-C3264Q
- Cisco Nexus 6000 N6004-B-24Q
- Cisco C6800-SUP6T-XL
- Cisco Nexus 9000 N9K-X9464PX
- Cisco Nexus 9000 N9K-X9564TX (uplinks)
- Cisco Nexus 2000 N2K-2348TQ
- Cisco C6800-SUP6T
- Cisco C3850-NM-2-40G
- Cisco Nexus 9000 N9K-C93120TX
- Cisco Nexus 6000 N6K-C6001-64P
- Cisco Nexus 92304QC
- Cisco 6800 C6824-X-LE-40G
- Cisco Nexus 2000 N2K-2348UPQ
- Cisco Nexus 9000 N9K-M6PQ-E
- Cisco WS-C3850-48XS-F-S
- Cisco Nexus 5000 N55-M4Q
- Cisco Nexus 9000 N9K-C9372PX-E

- Cisco Nexus 5000 N5K-C5672UP
- Cisco Nexus 9000 N9K-C9332PQ
- Cisco ASR 9000 A9K-MPA-1X40GE
- Cisco Nexus 9000 N9K-M6PQ
- Cisco Nexus 9000 N9K-C9372TX-E
- Cisco Nexus 9000 N9K-C9372TX-E
- Cisco Nexus 9000 N9K-X9432C-S
- Cisco 6500 C6800-SUP6T
- Cisco 6800 C6840-X-LE-40G
- Cisco Nexus 9000 N9K-M12PQ
- Cisco Nexus 3000 N3K-3132Q
- Cisco Nexus 9000 N9K-X9536PQ

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