

Cisco QSFP-40G-BD-RX Datasheet



Cisco QSFP-40G-BD-RX 40GBASE-SR Bi-Directional QSFP Monitor Module for Duplex MMF

QSFP-40G-BD-RX

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-BD-RX

The Cisco QSFP 40-Gbps BiDi monitor is a pluggable optical module for use with link monitor hardware, such as the

Cisco Nexus® Data Broker. Like the QSFP BiDi transceiver, it has a duplex MMF LC connector interface. The QSFP BiDi monitor is used only in the monitoring path of a link containing a passive optical tap splitter. The Cisco QSFP monitor offers the same specifications as the QSFP BiDi Transceiver, except that it does not transmit any signal, and thus eliminates the risk of interfering with the live BiDi link path.

Specifications

- Product number: QSFP-40G-BD-RX
- Description: Cisco 40GBASE-SR Bi-Directional QSFP Module for Duplex MMF
- Product Type: 40GBASE-SR-BiDi, duplex MMF, Monitor
- Connector Type: LC
- Wavelength: 832 - 918nm
- Cable type: MMF
- Cable distance:
 - 30m @ OM2
 - 100m @ OM3
 - 150m @ OM4/OM5
- Power consumption: 3.5W
- Pull tab color: Beige (or Gray with “Rx” mark)
- Transmit power (dBm)
 - Maximum: N/A
 - Minimum: N/A
- Receive power (dBm)
 - Maximum: +5, per lane
 - Minimum: -6, per lane
- Transmit and receive wavelength (nm): 832 to 918
- 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-BD-RX is supported on a wide range of Cisco equipment.

- Cisco Catalyst C9500-24Y4C
- Cisco Nexus 9300-EX Series 93180YC-EX
- Cisco NCS-5501
- Cisco Nexus 9396PX
- Cisco Nexus 92304QC
- Cisco Nexus N9K-C92160YC-X

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