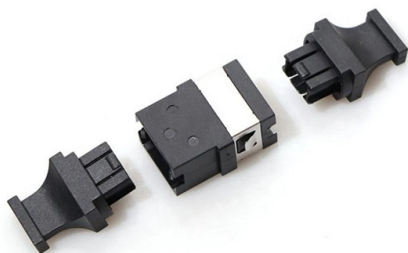


## Egypt Single-Fiber Bidirectional 40G



### Overview

The QSFP-40G-SR-BD transceiver from Cisco is a quad small form-factor pluggable MSA transceiver. It works over multimode fibre on distances supported of up to 150 metres at 850 nm. The module configuration makes it possible to obtain a maximum data rate of 40 Gbps in a duplex LC. 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 00networks, enterprise core and distribution layers, and service provider. QSFP-40G-SR-BD is a 40G QSFP+ BiDi transceiver designed for short-reach connectivity over duplex multimode fiber using LC connectors. It enables 40GbE transmission with only two fibers, making it a practical alternative to QSFP-40G-SR4 in environments where fiber resources are limited or MPO. The QSFP-40G-SR-BD is part of the QSFP family of optical transceiver modules designed for speedy data transfer in networking environments. The Cisco QSFP-40G-SR4 specs offer a functional wavelength of 850nm, cabling short distances with the highest speeds in the category, and a part number of 10-2672-03 for compatibility.



## Article Content

### Cisco 40GBASE QSFP Modules Data Sheet

This module can be used for native 40G optical links over 12-fiber ribbon cables with MPO/MTP connectors or in 4x10G mode with parallel-to-duplex fiber breakout cables for connectivity

### QSFP 40G SR BD: 40G QSFP+ BiDi Transceiver Explained

QSFP-40G-SR-BD achieves 40GbE full-duplex transmission over a single pair of multimode fibers by using bidirectional (BiDi) optical signaling, where two separate wavelengths carry transmit and

What type of cable is QSFP-40G-SR-BD?

The QSFP-40G-SR-BD transceiver is designed for use with a specific type of multimode fiber optic cable known as "BiDi" or "Bidirectional" fiber. The "BD" in the transceiver's name stands

### 40G QSFP Optical Transceiver

It is a high-performance module for short-range duplex data communication and interconnect applications. It integrates four electrical data lanes in each direction

### 40G Fiber Optic Transceiver Cable Ordering Guide FBSG03-WW

The QSFP-40G-SR-BD BiDirectional (BiDi) transceiver is a pluggable optical transceiver with a duplex LC connector interface for short-reach data communication and interconnect applications using

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Bi-directional single-core transmission (BiDi) optical transceiver ...

A single-fiber bidirectional (BiDi) optical transceiver enables bi-directional communication over a single optical fiber by using different wavelengths of light for transmission and reception. It is

### QSFP-40G-SR-BD (Single-Fiber-Bidirectional Module)

This document provides an overall description of the CE5800&6800&7800&8800 series switches hardware that versions earlier than V200R020C00, helping you obtain detailed information about

## Panduit Cable Ordering Guide For Cisco 40G Optics

The QSFP-40G-SR-BD BiDirectional (BiDi) transceiver is a pluggable optical transceiver with a duplex LC connector interface for short-reach data communication and interconnect applications using

### Datasheet 40GBASE-SR Bi-Directional QSFP LC Duplex Transceiver

The transceiver internally multiplexes an XLPPI 4x10G interface into two 20Gb/s electrical channels, transmitting and receiving each optically over one simplex LC fiber using bi-directional optics. This

### Fiber-Optic Cabling Connectivity Guide for 40-Gbps Bidirectional and ...

Cabling Options for 40-Gbps Two-Fiber Bidirectional Optics (QSFP-40G-SR-BD) Since the introduction of 40 Gigabit Ethernet with the IEEE 802.3ba standard in 2010, the only multimode solution on the

### Experimental demonstration of 100 Gb/s single-fiber bidirectional ...

We experimentally demonstrate 100 Gb/s bidirectional transmission over 40 km using a multi-wavelength bidirectional optical sub-assembly (BOSA) based on a single bidirectional multi

### SFP Single Fiber 40 km transceiver | Cisco Compatible

Cisco Compatible single strand bidirectional SFP transceiver Details: This advanced 18dB transceiver is designed for highly reliable fiber optic network links up to 40 km.

### Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

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