

Saudi Arabia Single-fiber Bidirectional 40G



Overview

QSFP-40G-SR-BD is a 40G QSFP+ BiDi transceiver designed for short-reach connectivity over duplex multimode fiber using LC connectors. 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. FS 40G QSFP+ optical transceiver module solutions offer a full range of QSFP+ modules from 150m to 80km reach, and used for high-density switching, routing and data center applications. Trusted by 260K+. Are you upgrading your network modules for high-density 40G connectivity?

The Cisco QSFP 40G SR4 module is an extreme innovation in 40 Gigabit Ethernet Connectivity. 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. 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 each chassis, power module, fan module, card, cable, and pluggable modules for ports. It integrates four electrical data lanes.

Article Content

Aug 25, 2025

REL51069

Schneider Electric Saudi Arabia. REL51069 - InterRelay fiber optic module single mode 1310nm 40km for slot L.

May 30, 2026

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

Mar 23, 2026

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

Jun 08, 2026

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

It experimentally achieves 100 Gb/s bidirectional transmission over 40 km. Using certain wavelengths in the O-band with no four-wave mixing penalty, it enables the transmission of 2×50 Gb/s PAM4 signals

Sep 11, 2025

Nokia and ACES-NH deploy 25G PON-based neutral host fiber

Nokia is the only vendor that supports all next-generation PON options, including 10G, 25G, 50G, and future 100G PON technologies. Riyadh, Saudi Arabia - Nokia today announced that

Jun 23, 2026

40G QSFP+ SR BiDi VCSEL 850nm/900nm 150m MMF

FIBERSTAMP 40G QSFP+ SR BiDi optical transceiver is designed for short-distance interconnection between devices within data centers. It complies with the 40G

Sep 17, 2025

Fiber Optic Cable

Fiber Optic Cable Fiber Optic cable Suppliers in Riyadh Saudi Arabia Atlanta Network is the leading Fiber optic Cables supplier in Riyadh Saudi Arabia. We do

Dec 04, 2025

40G QSFP+ SR BIDI 850nm/910nm 100m Module

It integrates four electrical data lanes in each direction into transmission over a single LC duplex fiber optic cable. Each electrical lane operates at 10.3125Gbps and

Sep 04, 2025

Single Mode fiber cables Archives

tmt global fiber products range 2core ftth cable 4 core ftth cable single mode fiber optic cable multi mode fiber optic Single Mode fiber cables

Apr 25, 2026

Nokia and ACES-NH deploy 25G PON-based neutral host fiber

24 February 2025 Riyadh, Saudi Arabia - Nokia today announced that ACES-NH successfully deployed Saudi Arabia's first-ever 25G PON-based neutral host network, marking a significant milestone in the

Oct 26, 2025

40G BiDi QSFP+: Single-fiber Bidirectional Transmission

The interfaces of optical modules are mainly divided into single-fiber bidirectional BiDi and dual-fiber bidirectional (Deplx). In the wavelength division multiplexing system, the line transmission

Jul 19, 2025

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

The optical module has two 20-Gbit/s channels to transmit and receive signals simultaneously using single-fiber bidirectional technology and needs 2 LC interface multimode fiber.

Feb 06, 2026

Saudi Arabia Embraces First 25G PON Neutral Host Network

Global technology vendor, Nokia, has announced that ACES-NH has successfully deployed Saudi Arabia's first-ever 25G PON -based neutral host network. This groundbreaking

Sep 02, 2025

3M Fiber Cable

3M | 48 Fiber Quadtube, Gel Filled Cable with Glassyarn, Single-Mode 9/125µm, LSZH, OS2 ..

Dec 12, 2025

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

Summary: QSFP-40G-SR-BD is a fiber-saving 40G solution that combines short-reach multimode operation with bidirectional signaling. It sits between traditional SR4 and LR4 modules, offering

Jul 04, 2025

Cisco 40GBASE QSFP Modules Data Sheet

It enables high-bandwidth 40G optical links over 12-fiber parallel fiber terminated with MPO/MTP multifiber female connectors. It can also be used in a 4x10G mode for interoperability with

Feb 12, 2026

40G QSFP+ Transceiver Modules | Optical Transceivers

FS 40G QSFP+ optical transceiver module solutions offer a full range of QSFP+ modules from 150m to 80km reach, and used for high-density switching, routing and data center applications.

Nov 01, 2025

Introduction of QSFP-40G-SR-BD Modules

QSFP-40G-SR-BD, part of the QSFP optical transceiver module family, facilitates high-speed data transmission in networking environments. It's short for

Mar 09, 2026

BiDi Optical Modules: Unlocking Single-Fiber

Comprehensive guide on BiDi Optical modules, detailing single-fiber bidirectional connectivity, deployment tips, troubleshooting, and multi-speed

Aug 30, 2025

Single-Fiber Bidirectional Transmission using 400G ...

We experimentally evaluate the Rayleigh Back-Scattering power penalty in a single-fiber single-wavelength bidirectional link using coherent digital subcarrier-based transceivers and verify a ...

Dec 12, 2025

Zain Fiber Internet Basic Home Packages | Zain KSA

Zain Fiber is a high-speed internet service provided by Fiber Optics Technology (FTTH), and Fiber prepaid is a new package where customers pay in advance for the service for 12 months.

Mar 20, 2026

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

Datasheet Description I,Pluggable, LC Duplex, Fiber-Optic QSFP+ Transceiver for 40 Gigabit Ethernet Applications. This transceiver is a high performance module for short-range duplex data

Jul 16, 2025

Comprehensive Guide to FS 10G BiDi SFP Modules

Enter the 10G BiDi (bidirectional) SFP+ module —an elegant solution that enables full-duplex communication over a single fiber strand using

Oct 09, 2025

QSFP+ 40G Optical Transceivers,40G Fiber Optic Transceiver

40G QSFP+ BIDI optical transceiver module is a pluggable optical transceiver with a duplex LC connector interface for short-reach data communication and interconnect applications using Multi

Mar 20, 2026

40G QSFP BIDI vs 40G QSFP SR4 vs 40G QSFP UNIV: What Is the

What Is 40G QSFP BIDI SR Optical Transceiver Module The 40GBASE-BiDi SR (Bidirectional Short Reach) module is a type of 40G optical transceiver that utilizes a single pair of

Jul 19, 2025

SFP optical transceivers

This category includes all types of multi-rate SFP 155M to 4.25G transceivers over one strand of SMF, BiDirectional operation (two wavelengths on same fiber).

May 10, 2026

4-Way Square 25/20 mm Microduct | Telecom & Fiber

High-strength Microduct 4 Way Square 25/20mm for FTTH and OSP fibre networks. Durable, low-friction ducts ideal for long-distance air-blown fibre installation in

Jul 12, 2025

Arista QSFP-40G-SRBD 40GBase BIDI QSFP

40G QSFP+ SR Bi-Directional is a Four-Channel, Pluggable, LC Duplex, Fiber

May 01, 2026

Cisco QSFP-40G-SR4 Module in Saudi Arabia at Best

Get the best deals on Cisco QSFP-40G-SR4 Module in Saudi Arabia

Contact Us

For more information, pricing, or custom solutions, please contact us:

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