

Egyptian Single-Fiber Bidirectional QSFP



Overview

Our QSFP28 Bidirectional (BiDi) transceivers delivers high-speed 100G connectivity over a single strand of fiber, with reach options up to 70km and support for both standard and industrial temperature environments. Explore a wide range of SFP QSFP fiber optic solutions at Fiber Optic Egypt, including cables and modules for all your telecommunication needs. Whether it's building a network or upgrading an existing network, the Cisco® QSFP-100G-B20U4-I and QSFP-100G-B20D4-I transceivers provide 100G connectivity for platforms at up to 20km on single SMF (Single Mode Fiber). ZR4 BiDi, using four. SAXONBURG, PA, September 26, 2025 (GLOBE NEWSWIRE) – Coherent Corp. This article briefly introduces the key features and core advantages of 100G BiDi.



Article Content

Hot

Comparison of 100G QSFP28 Multimode Transceivers: 100G SRBD

The QSFP 100G SRBD is a 100G optical transceiver designed for short-range data center applications, particularly in high-density environments requiring bidirectional data transmission.

Aug 24, 2025 Hot

Comprehensive Guide to QSFP – MapYourTech

QSFP transceivers combine four independent electrical channels into a single compact form factor, enabling scalable bandwidth from 40 Gbps to 1.6

Jul 08, 2025 Hot

QSFP-100G-SR1.2 vs. QSFP28-BIDI-100G: Choosing

The QSFP28-BIDI-100G module utilizes Short Wavelength Division Multiplexing (SWDM) technology with four distinct wavelengths to achieve

Nov 12, 2025 Hot

Cisco 100Gbps QSFP100 SR1.2 BiDi Pluggable Transceiver

Expanding Cisco's BiDi portfolio The Cisco QSFP-100G-SR1.2 BiDi is a parallel Quad Small Form-factor Pluggable (QSFP28) Bi-Direction optical module that supports 100 Gbps bit rates. The module

Aug 11, 2025 Hot

Understanding 100G Single Fiber QSFP28 Module for

100G single fiber QSFP28 modules enable fast, cost-effective network upgrades using one fiber strand, ideal for scalable modern data centers.

Dec 02, 2025 Hot

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

Dec 27, 2025 Hot

Industry's First 100G ZR QSFP28 for Bi-Directional

The Coherent 100G ZR QSFP-DCO is the industry's first dual laser QSFP28 digital coherent optics (DCO) module for single fiber, bi-directional applications – a

Dec 17, 2025 Hot

QSFP28 100G BiDi Optics: Halve Your Fiber Capacity,

QSFP28 100G BIDI modules enable 100G Ethernet over duplex LC fiber, offering bidirectional transmission, compact size, and simplified cabling.

May 11, 2026 Hot

40GBASE-SR Bi-Directional QSFP+ 832nm

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

Oct 06, 2025 Hot

Compact SFP CSFP

Compact small form-factor pluggable CSFP transceiver and a compact small form-factor CSFP transceiver supports network systems, especially those deploying

May 23, 2026 Hot

Walsun 100G QSFP28 Full Range BIDI Solution

Walsun has launched the 100G QSFP28 ZR4 BIDI product, and will demonstrate 100G 80km single-fiber bidirectional service transmission at OFC

Nov 15, 2025 Hot

Custom 40G QSFP+ and 50G SFP56/QSFP28 Modules

Custom 40G QSFP+ Parallel SMF Module Designed for advanced breakout applications and parallel single-mode routing. Unlike standard LC models, this specialized series utilizes an MPO/MTP

Aug 31, 2025 Hot

100G Over Single Fiber, Simplified

Introducing the QSFP28 100G Bidi Product Family Last Updated: April 11, 2025
Upgrading from 10G to 100G no longer requires complex fiber builds.

Oct 12, 2025 Hot

A Closer Look at 100G QSFP28 Single Lambda

Supporting single-fiber bidirectional transmission, these modules save fiber resources and reduce network deployment costs. 3.Future-Proof Upgrade

Apr 30, 2026 Hot

Cisco QSFP-100G-B20U4-I and QSFP-100G-B20D4-I 100G 20km

Whether it's building a network or upgrading an existing network, the Cisco® QSFP-100G-B20U4-I and QSFP-100G-B20D4-I transceivers provide 100G connectivity for platforms at up to 20km on single

Aug 27, 2025 Hot

Introduction About BiDi SFP and BiDi Fiber

How Does BiDi SFP Work? As the above-mentioned introduction about BiDi SFP, we have learned the modules separate different transmission

Jan 16, 2026 Hot

What is BiDi Transceiver: A Beginner's Guide

What is a BiDi Transceiver? BiDi transceiver, or Bidirectional or simplex optical transceiver, is an optical module that uses Wavelength Division

Aug 23, 2025 Hot

Cisco QSFP-100G-B20U4-I and QSFP-100G-B20D4-I 100G 20km Bidirectional ...

The QSFP-100G-B20U4-I and QSFP-100G-B20D4-I transceivers provide single-fiber, full-duplex, 100Gbps connectivity as network traffic continues to grow driven by new wireline and wireless

Jun 02, 2026 Hot

100G Over Single Fiber, Simplified

Upgrading from 10G to 100G no longer requires complex fiber builds. Our QSFP28 Bidirectional (Bidi) transceivers delivers high-speed 100G

Jun 09, 2026 Hot

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

Sep 21, 2025 Hot

Explaining 100G Bidirectional (BiDi) Optics

This 100G bidirectional transceiver provides 100Gbps bandwidth over standard duplex multi-mode fiber. The 100G multi-mode BiDi QSFP28 optics

Apr 08, 2026 Hot

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

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SFP QSFP Fiber Optic Products | Fiber Optic Egypt

Explore a wide range of SFP QSFP fiber optic solutions at Fiber Optic Egypt, including cables and modules for all your telecommunication needs.

Aug 18, 2025 Hot

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

Dec 12, 2025 Hot

100G QSFP28 BiDi : Optical Transceiver Module | NEC

NEC's 100G QSFP28 BiDi optical transceiver enables the transmission and reception of 100Gb/s high-speed data over a single optical fiber. By enabling bidirectional

Jul 17, 2025 Hot

100G QSFP28 / SFP-DD Modules and Cables FAQ | FS

The 100G BiDi transceiver refers to the QSFP28 single-mode fiber bidirectional optical module applied to 100G Ethernet. Each optical port on the QSFP28 BiDi contains both a transmitter and receiver,

Dec 31, 2025 Hot

40G BiDi QSFP+ 150m MMF | Two-Fiber | EDGEOPTIC

EDGEOPTIC 40G BiDi QSFP+ transceiver: 150m OM4 multimode fiber, 850/900nm wavelengths, 2dB link budget, 41.25 Gbps. Two-fiber 40G solution, 0-70°C.

Aug 17, 2025 Hot

100G and 100G BIDI | Syrotech

Designed for efficiency and reliability, these compact modules support both bidirectional and standard fiber or copper connections, ensuring smooth integration with your network.

May 09, 2026 Hot

100G QSFP28 BiDi Optical Module: Features, Benefits, and Use Cases

The 100G QSFP28 BiDi optical module enables 100G high-speed interconnects via single-fiber bidirectional transmission without adding more fibers, making it an ideal solution that balances

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Contact Us

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

Website: <https://www.eedenmarketing.co.za>

Email: info@moletenare-ew.co.za

Phone: +86 138 1658 3346

Address: Ningbo, China

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