

Central Asian Five Countries Single-Fiber Bidirectional QSFP28



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. Eoptolink's BIDI QSFP28 transceiver module is used for 100G Ethernet application in Data Centers, High-speed interconnects within and between switches, routers and transport equipment, Server-Server Clusters, Super-computing interconnections, only one fiber is used in a link. The Cisco QSFP28 100G ZR module expands the portfolio of digital coherent optics (DCO) modules to connect QSFP28. SAXONBURG, PA, September 26, 2025 (GLOBE NEWSWIRE) – Coherent Corp. ZR4 BiDi, using four. Transceiver form factor:QSFP28;Data Rate:100G;Wavelength:Tx 1304nm/Rx 1309nm; Tx 1304nm/Rx 1309nm;Distance:40km;Transmit power (dBm):1. 1;Maximum receiver sensitivity (dBm):-16. 2;Fiber Type:Single-mode Simplex Fiber;Temp. Designed for service providers, data center operators, and access networks, our Bidi.



Article Content

NEC begins sale of 100G QSFP28 ZR4 single-fiber bi

NEC begins sale of 100G QSFP28 ZR4 single-fiber bi-directional optical transceiver
Menu Tokyo, December 9, 2024 - NEC Corporation (NEC;

Single-Fiber-Bidirectional Module 100G QSFP28 40km BIDI LR1

Distance: 40km Transmit power (dBm): 1.5 to 7.1 Maximum receiver sensitivity (dBm): -16.2 Fiber Type: Single-mode Simplex Fiber

Explaining 100G Bidirectional (BiDi) Optics

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

Future-Proof Your Data Center with Single-Lambda 100G QSFP28 DR

Future-Proof Your Data Center with Single-Lambda 100G QSFP28 DR 100G data rate without optical complexity Over the past several years, pluggable optics have progressed not only in speed, but also

SFP Transceiver Modules | Single Mode & Multimode SFP Transceivers

4G SFP Transceiver modules for up to 200km for Datacom and telecom networking. 4G Fibre Channel SFP transceivers with LC connector are available for use with CWDM/DWDM, standard Duplex, and

What is QSFP & QSFP+ Transceiver: An Ultimate

What is a QSFP & QSFP+ Transceiver? QSFP stands for Quad Small Form-factor Pluggable. By integrating four-lane signals into a single

100G QSFP28 Single Fiber (BiDi) Modules: Technology, Benefits ...

100G QSFP28 single fiber (BiDi) modules are a practical, proven method to increase the effective capacity of existing fiber plants, reduce cabling complexity, and optimize total cost of

100G BIDI QSFP28 Single Lambda

The module incorporate one channel optical signal and operate on 1304nm and 1309nm wavelength. Compliant with the QSFP28 MSA. Digital diagnostics

QSFP28 Transceiver: The Ultimate 100G Optical

This is usually applied in data centers and enterprise networks having high-density environments. The QSFP28 LR4 (Long Reach) can also be

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

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

Maximizing Single Fiber Capacity in Metro Networks Using QSFP28

This technical guide explores how QSFP28 100G BIDI 80KM and 40KM solutions allow operators to double their bandwidth instantly using a single strand of fiber, providing a high-ROI path

100GBASE QSFP-100G Modules Data Sheet

The Cisco® 100GBASE Quad Small Form-Factor Pluggable (QSFP) portfolio offers customers a wide variety of high-density and low-power 100

100GBASE-CWDM4 QSFP Transceiver 2km SMF –

100GBASE-CWDM4 QSFP Transceiver 2km SMF This product is specifically designed to be fully compatible and functional with its brand's own designated

100G QSFP28 Transceivers

100G QSFP28 Transceivers Hot-pluggable 100 Gigabit high-performance QSFP28 transceivers for long-distance serial optical transmission and easy migration to 100 GE.

155M-2.5G CSFP BiDi

GIGALIGHT's CSFP series optical transceiver modules include two single-fiber bidirectional channels, each supporting data rates from 155Mbps to 2.5Gbps.

The Complete Guide to BiDi Transceiver

Explore more about the BiDi transceiver's working principles, types, applications, and how to choose the right BiDi fiber cables for BiDi modules.

The Latest Research on 100G QSFP28 and SFP112

In application scenarios where fiber resources are relatively tight, single-fiber bidirectional optical modules can save 50% of fiber resources

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

Each optical port on the QSFP28 BiDi contains both a transmitter and receiver, transmitting and receiving data to/from interconnected network devices (like network switches or routers) at full-duplex

100G QSFP28 ZR4 Bidi Make 100G/40G Single Fiber 80km Distance

Etern Optoelectronics has expanded its lineup of transceivers for 100Gbps transmission, and has started selling the new model 100G QSFP28 ZR4 BiDi, which extends transmission distance

Cisco QSFP28 100G ZR Digital Coherent Optics Module Data Sheet

In more than 100 countries, our flexible payment solutions can help you acquire hardware, software, services and complementary third-party equipment in easy, predictable payments.

EEF L/29/11

Establishment of Regional Fiber Optic Network for *the Central Asian Countries (*Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan, and Uzbekistan)

100G QSFP28 BiDi ER1 40km Optical Transceiver

GIGALIGHT 100G QSFP28 BiDi ER1 single-fiber optical transceiver module is designed for 100G Ethernet links over 40km of single-mode fiber transmission.

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

The Ultimate Guide to QSFP Cables | Types, Benefits

Explore the ultimate guide to QSFP cables. Learn QSFP types, differences from SFP, installation methods, and benefits for high-speed data

Comprehensive Guide to 100G BIDI QSFP28

Unlike traditional transceivers that require two fibers (one for transmitting and one for receiving), the 100G BIDI QSFP28 uses bidirectional

Coherent Announces General Availability of Industry's First Dual-Laser ...

Coherent announced the general availability of the industry's first dual-laser QSFP28-DCO module designed to enable bi-directional 100G coherent transmission over a single working fiber.

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 ...

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

Cisco QSFP-100G-SR1.2 Compatible 100Gbps QSFP28 100GBASE

Cisco QSFP-100G-SR1.2 compatible optical transceiver is a parallel 100Gbps Quad Small Form-factor Pluggable QSFP28 BIDI module for use in 100GBASE Ethernet network. QSFP28 BD provides

Contact Us

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