

## **Slovenia Single-fiber Bidirectional 100G**



### **Overview**

The STC-QSFP28-BIDI-30KM is a high-performance 100G transceiver module using BiDi (Bidirectional) transmission technology, enabling simultaneous sending and receiving over a single fiber strand. 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). Click to get your 100GBE transceiver modules from nearby. SAXONBURG, PA, September 26, 2025 (GLOBE NEWSWIRE) – Coherent Corp. (NYSE: COHR), a global leader in photonics, announces the industry's first QSFP28 Dual Laser 100G ZR solution that enables broadband providers to efficiently maximize capacity on existing fiber infrastructure. ZR4 BiDi, using four. The BIDI-100G-QSFP28-80B is the Side B module of EdgeOptic's 100G BiDi QSFP28 80 km transceiver pair. It transmits on four LAN WDM lanes (1295. 66 nm) over a single LC/UPC simplex strand. D-Link, Zyxel, Mikrotik and Ubiquity among others.

## Article Content

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.

Our wide range of bidirectional QSFP28 100G

Our range of bidirectional QSFP28 100G transceivers Until recently, drop-in upgrades from 10G to 100G were primarily possible in traditional duplex

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

BWN 100G QSFP28 BIDI 30km SFP Module

Boost your network with the QSFP28 100G BIDI SFP module – a high-performance optical module for 100Gbps transmission over 30km. Perfect for data centers, it ensures compatibility and simplex LC

SFP-1100-WB SFP+ 10G BiDirectional Optical Module

The SFP-1100-WB is a BiDirectional single fiber strand 10G SFP+ optical module using Tx:1550nm and Rx:1490nm wavelengths and supporting links up to 100Km

Arista 100G Transceivers and Cables: Q& A

The QSFP-100G-SWDM4 provides 100Gbps bandwidth over a standard duplex multi-mode fiber eliminating the need for expensive parallel multi-mode fiber infrastructure and offers a seamless

QSFP-100G-SR1.2 QSFP28 100GBASE-SR BiDi 850nm

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

Bidirectional SFP Modules/Transceivers

What are Bidirectional SFP Modules? Bidirectional SFP modules are advanced optical transceivers designed to enhance network infrastructure by enabling data

100G Over Single Fiber, Simplified | ProLabs

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

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 and 100G BIDI | Syrotech

Our 100G QSFP28 transceivers, including BIDI variants, provide high-speed, low-latency connectivity for data centers, enterprise networks, and telecom applications. Designed for efficiency and reliability,

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 ...

The Complete Guide to BiDi Transceiver

What Is BiDi Transceiver? BiDi transceivers have become synonymous with reliable and high-performance networking, which can achieve

What Is a Single Fiber SFP? A Complete Guide for Beginners

A single fiber SFP, also known as a BiDi SFP, is designed precisely for this purpose—enabling bidirectional data transmission over a single strand of optical fiber.

Single Fiber (BiDi)

Teroline single fiber bidirectional QSFP28 module for 100G applications over single mode optical fiber. The module can be used with any network device that accepts standard MSA transceivers - e.g. D

BiDi Transceivers For Beyond 100G Fiber Infrastructure

RAD has developed the patented BiDi QSP adaptor to solve the issue of making the transition from dual-fiber optical transceivers to single-fiber easy.

100G QSFP28 Transceiver Modules | Optical Transceivers

The 100G QSFP28 module solution provides high-performance 100GbE connectivity for data centres, enterprise core & distribution layers, computing networks and service provider applications.

QSFP28 100G SR1.2 bidirectional transceivers optimize

In data centers & tech enterprises around the world, the demand for larger capacity, competitive advantages, and high-performance are constantly increasing. Service

100G QSFP28 BiDi : Optical Transceiver Module | NEC

100G QSFP28 LR1 BiDi/ER1 BiDi /ZR4 BiDi NEC's 100G QSFP28 BiDi optical transceiver enables the transmission and reception of 100Gb/s high-speed data

## FiberMall Launches 100G QSFP28 ZR4 BIDI | FiberMall

FiberMall's 100G QSFP28 BIDI (20km/40km/80km) series optical module products  
The 100G QSFP28 ZR4 BIDI product for 100G BIDI adopts

### 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.

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

Bidirectional 100Gb on a single fiber 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

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

Learn how 100G QSFP28 BiDi optical modules enable single-fiber bidirectional transmission to reduce fiber usage and deployment costs.

### 100G QSFP28 BIDI 30KM

The STC-QSFP28-BIDI-30KM is a high-performance 100G transceiver module using BiDi (Bidirectional) transmission technology, enabling simultaneous sending and receiving over a single fiber strand.

### 100G QSFP28 Transceivers: LR, ER, ZR Complete Guide

Explore 100G QSFP28 transceivers: SR4, LR4, ER4, ZR4 variants. Compare double fiber, single lambda PAM4, and BIDI options for optimal network

## Contact Us

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