

## Polish 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.

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. The Coherent 100G ZR. QSFP28 Single Fiber - Polish producer in photonics and fiber optic sector. \* - transmission distance depends on optical link attenuation Enter single fiber QSFP28 modules —a game-changer using BiDi (Bidirectional) technology to transmit 100G data over one fiber strand. By leveraging different wavelengths (e., 1271nm/1331nm) for upstream/downstream traffic, these modules cut fiber infrastructure costs by 50% while maintaining full. 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).

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A 100G single fiber QSFP28 module sends 100-gigabit Ethernet data using one optical fiber. This device helps networks get faster without needing ...



Halve your physical fiber requirements. WolonFiber's 100G QSFP28 BiDi transceivers execute 100Gbps transmission over a single LC strand up to 80km.



Compared to traditional IM-DD optics, 100ZR QSFP28 coherent pluggable transceiver uses coherent technology to deliver 100 Gb/s data transmission across longer reach, and, with support for DWDM, ...



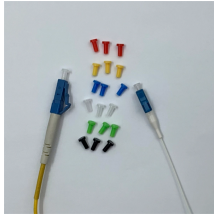
NEC's 100G QSFP28 BiDi optical transceiver enables the transmission and reception of 100Gb/s high-speed data over a single optical fiber. By enabling bidirectional transmission over a single fiber, this ...



Upgrading from 10G to 100G no longer requires complex fiber builds. Our QSFP28 Bidirectional (Bidi) transceivers delivers high-speed 100G connectivity over a single strand of fiber, ...



QSFP28 Single Fiber - Polish producer in photonics and fiber optic sector. \* - transmission distance depends on optical link attenuation.



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 breakthrough for network operators in ...



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 ...



100G QSFP28 form factor is defined by the IEEE 802.3bj standard and is used to define SFF-8665, which contains requirements and guidelines important for manufacturing and further use. ...



A 100G single fiber QSFP28 module sends 100-gigabit Ethernet data using one optical fiber. This device helps networks get faster without needing extra fiber cables.



To meet the demand for long-distance transmission in scenarios where optical fiber resources are scarce in edge access networks, Walsun has launched the 100G QSFP28 ZR4 BIDI ...

## Contact Us

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