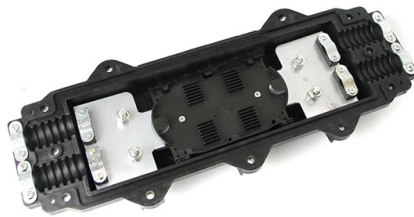


Single-fiber single-mode gigabit bidirectional transceiver



Overview

BiDi transceiver, a compact optical transceiver with WDM (wavelength division multiplexing) technology and SFP multi-source protocol (MSA) compliance, allows fast data transmission using a single fiber optic for both sending and receiving signals, saving resources and cutting. BiDi transceiver, a compact optical transceiver with WDM (wavelength division multiplexing) technology and SFP multi-source protocol (MSA) compliance, allows fast data transmission using a single fiber optic for both sending and receiving signals, saving resources and cutting. BiDi transceiver, a compact optical transceiver with WDM (wavelength division multiplexing) technology and SFP multi-source protocol (MSA) compliance, allows fast data transmission using a single fiber optic for both sending and receiving signals, saving resources and cutting infrastructure costs. Lantronix's Simplex SFP Transceiver modules offer an efficient, single-fiber approach to fiber connectivity, enabling bidirectional data transmission over one strand where cabling resources are limited or infrastructure costs need to be minimized. The lineup spans a wide range of speeds and fiber. For additional information on SFP Transceivers, see 10G/8G SFP Transceivers, CWDM SFP Transceivers, or DWDM SFP Transceivers. By using bidirectional (BiDi) wavelength division, these modules send and receive. The Cisco 100GBASE Quad Small Form-Factor Pluggable (QSFP) portfolio offers customers a wide variety of high-density and low-power 100 Gigabit Ethernet connectivity options for data center, high-performance computing networks, enterprise core and distribution layers, and service provider. SFP transceiver that supports 1G connections up to 3 km using single-mode fiber with a simplex LC UPC connector. Power Consumption CLASS 1 LASER PRODUCT, IEC/EN 60825-1:2014 Do not look into the ends of the fiber optic cable or SFP module while converters are.

Article Content

Nov 13, 2025

SFP BiDi 1000BASE-BX 1.25Gbps Tx1550nm/ Rx1310nm LC SMF

The 1G SFP BX transceiver 40 km The 1000Base-BX SFP optical module is designed for data transmission using a single single

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Cisco SFP Modules for Gigabit Ethernet Applications

Features and benefits 100/1000BASE-LX SFP for long-reach single-mode fibers SFP Operation at 100M 2-Channel 1000BASE-BX10

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Single Fiber (BiDi)

Teroline single fiber bidirectional SFP module for Gigabit Ethernet applications over single mode optical fiber. The module can be

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Support wide power supply voltage (100V-240V), Power Supply: 5V-1A, UL Certified. Supports Multi-mode or Single-mode fiber

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Discover SFP Gigabit single-strand BiDi modules for 20Km with SC connector. Cisco compatible - buy now for efficient fiber links!

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BiDi (Bidirectional) SFP – Single-fiber SFP modules for FTTH and fiber-efficient networking, allowing both

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SFP+ BiDi 10G Guide: Single Fiber 10G Optical Transceivers

Learn what SFP+ BiDi 10G is, how single-fiber 10G transceivers work, key specs, use cases, and how to choose the right BiDi module.

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Lantronix's Simplex SFP Transceiver modules offer an efficient, single-fiber approach to fiber connectivity, enabling bidirectional data

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DATA SHEET Pluggable Transceivers

second to 40b Gigabits per second. Twisted pair copper transceivers support transmission distances of up to 100 meters and fiber

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Syrotech 20KM 1.25G 1310 Single Mode Single Fiber SFP Module

Product Description Brand: Syrotech Syrotech 20KM 1.25G 1310 Single Mode Single Fiber SFP Module - Pair Made with heavy-duty

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1000Base-BX WDM Bi-Directional SFP Module

As a WDM Bi-Directional optical transceiver, TL-SM321A-2 uses an integrated LC Bi-Directional optical

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Industrial Media Converter

ORing industrial media converters interconnect Ethernet and fiber networks, delivering long-distance, interference-proof data

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SFP BiDi 1000BASE-BX 1.25Gbps Tx1550nm/

The 1000Base-BX SFP optical module is designed for data transmission using a single single-mode (SM)

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SFP Transceivers | 1G, CWDM, DWDM, BiDi | EDGE Optical Solutions

Single-fiber bidirectional Gigabit SFP transceivers utilizing wavelength division to transmit and receive on separate wavelengths over

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BiDi SFP Module: A Complete Guide for Fiber Networks

A BiDi SFP module is a bidirectional fiber optic transceiver that enables simultaneous transmit and receive over a single strand of

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Single Fiber Bidirectional SFP Transceivers

Single Fiber Bidirectional SFP transceivers use simplex single-mode fiber to double the bandwidth, data rates up to 4G and

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Single-fiber Bidirectional Transceivers

Bidirectional transceivers transmit and receive optical signals through a single fiber, saving optical fiber

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To BiDi or Not To BiDi: The Pros and Cons of 25G and Bi-Directional

A 25G Bi-Directional, or BiDi, uses one port with two optical signals of different wavelengths to transmit and receive

Contact Us

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