

Single-fiber bidirectional optical module 1g



Overview

Our 1G BiDi SFP transceivers enable full-duplex communication over a single fiber, reducing fiber usage while maintaining reliable performance. Ideal for enterprise networks, data centers, and telecom applications, these modules support long-distance transmission with low power. 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. BiDi single-mode SFP optical module, 1Gb speed, LC simplex connector, 40 km range, laser Tx:1550nm Rx:1310nm. Designed to work in pair with module: LO-SF-1G-3S5-40L Please specify the device model. If you are ordering inserts for several device models, describe how many pieces and for which model. They. Ubiquiti's UFiber modules and cables offer flexible, high-speed connectivity solutions for both indoor and outdoor deployments. For indoor multi-mode fiber runs, the UF-MM-10G supports up to 10 Gbps over 300 meters, while the UF-MM-1G extends up to 550 meters at 1 Gbps.



Article Content

1G Bidirectional Single-Mode Optical Module

SFP transceiver that supports 1G connections up to 3 km using single-mode fiber with a simplex LC UPC connector.

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

A versatile SFP module that works reliably over distances of up to 40 kilometers as well as very short, 1-meter connections. Thanks to a specially designed receiving diode, the module is resistant to

1G BiDi SFP Module Selection Guide: Maximize Fiber

Choose the right 1G BiDi sfp module by checking compatibility, wavelength pairing, fiber type, and distance to ensure reliable network performance.

1G BiDi SFP Modules

A 1G BiDi SFP module allows you to transmit data in both directions over a single optical fiber. This technology allows for considerable fiber reductions and decreases deployment costs.

1G BiDi SFP | Syrotech

Our 1G BiDi SFP transceivers enable full-duplex communication over a single fiber, reducing fiber usage while maintaining reliable performance. Ideal for enterprise networks, data centers, and telecom

Ubiquiti UF-SM-1G-S 1G Bidirectional Single-Mode Optical SFP

For infrastructure reuse and efficient fiber utilization, BiDi models like UF-SM-1G-S and UF-SM-10G-S offer bidirectional communication over a single fiber strand, requiring deployment in matched

1G Bidirectional Single Mode Optical Module

Find reliable 1g bidirectional single mode optical modules with 10km-40km range, DDM support, and customizable options. Click to explore verified suppliers and get the best price today.

SFP BiDi 1GE 1310nm/1550nm MM 1km 11dB LC

The SO-SFP-1000BASE-BX-MMD-xy is a bi-directional transceiver solution operating directly on a single-fiber without the need for a separate optical filter. This is achieved by having two transceivers

1G BiDi SFP

GIGALIGHT's 1G BiDi SFP series optical transceiver modules support a speed of 1.25Gbps, widely used in Gigabit Ethernet, 1G fiber channel, and SDH. They can

Design of a CWDM4 single fiber bidirectional transceiving module

With the vigorous development of data centers, optical fiber interconnection technologies have been evolved from multimode optical fiber (MMF) parallel transmission to CWDM4 single-fiber bidirectional

Cisco 1G SFP Transceiver Modules - Network Warehouse

The Cisco Small Form-Factor Pluggable 1G (Gigabit) SFP transceiver module is an industry-standard component used to connect switches and routers to the network.

OFC 2026 New Launches Roundup Part II: Photonics Market Highlights

Coherent unveils a dual-laser QSFP28-DCO for bidirectional 100G over a single fiber
Coherent introduced a dual-laser QSFP28-DCO module that enables bidirectional 100G coherent

Ubiquiti 1G Bidirectional Single-Mode Optical Module FC-SM

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How to reuse existing optical fibers can save considerable costs for y

With the increase of 100G data transmission with large bandwidth, optical fiber resources between data centers are becoming less and less. How to reuse existing optical fibers can save

100G LR ER ZR Dual fiber to Single fiber Converter

How to reuse existing optical fibers can save considerable costs for enterprises. DFT provides 100G dual-port to single-port converter for bidirectional transmission of 100GLR4/ER4 optical modules over

11 Best Fiber Optic Switch Modules for 2026 Networking

Discover the top 11 fiber optic switch modules for 2026 networking that can elevate your infrastructure—continue reading to find the perfect fit for

Gigabit BiDi Optical Module Market

Gigabit bidirectional or BiDi optical modules stand at the forefront of this transformation, offering a unique approach to optimizing fiber infrastructure by

Multimode 10G SFP+ Transceiver Module 02310QBJ 02310QDT

Multimode 10G SFP+ Transceiver Module Huawei SFP-10G-BXD1 02310QBJ
02310QDT 10GBASE-BX SFP+ Transceiver Module This 10G BiDi SFP+ transceiver
supports up to 10km link lengths over

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This document is for preliminary research. Verify specifications against current
standards, product documentation and project requirements.

