

Bidi gigabit single-mode optical module



Overview

This Generic SFP-1G-BX-D compatible SFP BiDi module supports 1G Bi-directional connectivity by using WDM technology. By integrating the 1550nm DFB transmitter and 1310nm PIN receiver into a simplex LC interface, it supports 10km to 20km link distance via a single mode fiber (SMF). 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. The module can be used with any network device that accepts standard MSA transceivers - e. D-Link, Zyxel, Mikrotik and Ubiquity among others. In case you need the transceiver with. The industry-standard Cisco Small Form-Factor Pluggable (SFP) Gigabit Interface Converter (Figure 1) links your switches and routers to the network. Optical and copper models can be used on a wide variety of Cisco. This is where BiDi (Bidirectional) SFP optical modules become a game-changer, especially the versatile 1G BiDi SFP. 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

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

Single-fiber bidirectional Gigabit SFP modules with SC connector interface for legacy equipment compatibility. Offered in matched wavelength pairs covering

10G switch smf | Newegg

10G SFP+ZR Optical Transceiver Module, 10G-ZR LC Single-Mode Fiber SMF, 10Gb Gigabit Ethernet SFP+ Transceiver, 1550nm, 80km, 2 Pack Model #: PEGXB0DQNXLQG7

Omnitron iConverter 1000Mbps Gigabit Ethernet Single

Omnitron iConverter 1000Mbps Gigabit Ethernet Single-Fiber Media Converter RJ45 SC Single-Mode BiDi 20km Module - 8511N1 Item #411561 (0) 1 / 2

Used 10Gtek a Pair of 1.25G SFP Bidi Transceiver, 1000Base-Bidi ...

1000BASE-offerl offerirectional SFP to single LC Optical transceiver module, Single Mode, Wave length: Up: TX1310nm/RX1490nm; Down: TX1490nm/RX1310nm, DDM, up to 20km over single LC.

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.

SFP Gigabit Transceivers Singlemode Single-Strand

Discover SFP Gigabit single-strand BiDi modules for 20Km with SC connector.

Gigabit Ethernet

Other, non-standard higher-powered single-strand optics commonly known as "BiDi" (bi-directional) utilize wavelength pairs in the 1490/1550 nm range, and are

Guide to 10G BiDi SFP+ Optical Transceivers

Our 10G BiDi SFP+ Optical Transceivers Modules deliver full 10 Gb/s over a single strand of single-mode fiber, halving fiber count and simplifying cable

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Fiber Optical Transceiver 1.25G BIDI SFP TX 1310nm/RX 1550nm

Fiber Optical Transceiver 1.25G BIDI SFP TX 1310nm/RX 1550nm 40km LC DDM Optical Module Single Fiber Single Mode for Cisco

Single Mode BiDi SFP+ Fiber Modules

For horizontal shorter-length run, the Fastcabling modules are available with single mode fiber to suit your fiber connectivity applications. It can transmit data up to

Generic SFP-1G-BX-D 1G SFP BiDi 1550nm

Featuring a built-in Semtec chip and reliable BOSA with integrated FP/DFB laser + PIN receiver, the BiDi SFP module delivers low power consumption and stable

Cisco SFP Modules for Gigabit Ethernet Applications

This data sheet describes the benefits, specifications, and ordering information for the Cisco SFP Modules for Gigabit Ethernet Applications.

The Essential Guide to BiDi Transceivers: Everything

Bi-Directional (BiDi) Transceiver is a compact optical transceiver module that uses WDM (wavelength division multiplexing) technology and is

100/1000M Ethernet Optical Fiber Media Switch Converter Gigabit

Get 100/1000M Ethernet Optical Fiber Media Switch Converter Gigabit 6*Fiber Port 2*RJ45 FTTH Singlemode Switch Fiber PCBA Board for \$24.33 from Stone's Store. Track price history, set price

BiDi Single-Fiber Bidirectional Optical Module Details

The interface of optical module is mainly divided into single-fiber bidirectional BiDi, dual-fiber bidirectional (Deplx) and other types. In WDM system, the line transmission method mainly

Die 12 besten Transceiver im aktuellen Vergleich 07/2026

Aktuelle Transceiver 07/2026 [☐☐ Produktvergleich](#) [☐☐ Bestenliste](#) [☐☐ Preisvergleich](#)

SFP modules – transceivers for 1/2/4G fibre channel

SFP – small form factor – pluggable modules for various optical data communications such as Fast Ethernet, Gigabit Ethernet, BiDi, SDH Sonet and 4G.

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

Single Fiber (BiDi)

Teroline single fiber bidirectional SFP module for Gigabit Ethernet applications over single mode optical fiber. The module can be used with any network device that accepts standard MSA transceivers -

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 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.

Bidirectional SFP Modules | Bidirectional SFP

Versitron offers single-mode and multimode Bidirectional SFP Modules suitable for point-to-point networking, metro access ring, PON, and FDDI. Get IEEE

The Ultimate Guide to SFP Modules (2026): Types,

Confused by SFP vs SFP+? Read the definitive 2026 guide on SFP modules. We explain Single Mode vs Multimode, DDM diagnostics, and how to choose the

Introduction Of 100M Single-mode SFP BIDI SC

100M single-mode SFP BIDI is widely used in SDH STM-1, SONET OC-3 IR1, LR1, LR2 and other scenarios. Compared with the 100M dual-fiber

The Ultimate Guide to BiDi Transceiver

How BiDi Transceiver Works How does the BiDi transceiver work? BiDi module enables two-way communication over one single optical fiber via the

100 Gigabit Ethernet

The 40/100 Gigabit Ethernet standards encompass a number of different Ethernet physical layer (PHY) specifications. A networking device may support different PHY types by means of pluggable

The Essential Guide to BiDi Transceivers: Everything

BiDi transceiver, a compact optical transceiver with WDM (wavelength division multiplexing) technology and SFP multi-source protocol

Contact Us

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