

Liechtenstein Single-Fiber Bidirectional 10G



Overview

This high-performance bidirectional SFP+ transceiver delivers 10Gbps connectivity over 70km single-mode fiber using 1490nm/1550nm wavelength division multiplexing (WDM) technology. FS offers a comprehensive range of 10G BiDi modules tailored for diverse scenarios. ● Industry's smallest 10G. Simplex LC interface, hot-pluggable design, and integrated Digital Diagnostics Monitoring (DDM/DOM), it provides real-time performance tracking for critical infrastructure. By using bidirectional (BiDi) wavelength division, these modules send and receive. 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. This guide cuts through the complexity, providing network engineers and procurement.

Article Content

10G SFP+ Transceiver, -T, LR, SR, Bidi, CWDM, DWDM

10G SFP+ transceivers are compliant with IEEE802.3ae, SFF-8083, SFF-8472 and SFF-8431, SFF-8461, with features of Low Power Consumption. They are designed for applications of Data Centers,

10G SFP+ Optical Transceivers | Transceiver Module

FS 10GbE SFP+ module solutions provide a wide variety of 10 Gigabit Ethernet connectivity options for data centers, enterprise wiring closets, Internet Service

What is 10G BIDI SFP+ Single-fiber Bidirectional ?

10G BIDI SFP+ optical module is packaged in SFP+, with a transmission rate of 10G, LC simplex interface, and a transmission distance of up to 80 kilometers when used with single-mode

10G SFP+ BiDi 10~80km Single-fiber Bidirectional

The GIGALIGHT's 10G BiDi SFP+ series of optical transceiver modules are widely used in 10G Ethernet and Optical Transport Networks (OTN OTU2e), and are

SFP+ 10G transceivers BiDirectional, 10Km to 60Km range

The SFP-1060-WB is a 10G BiDirectional single strand multi-rate SFP+ transceiver using Tx:1330/Rx:1270nm wavelengths and reaching up to 60Km distance on 9/125um fiber.

WECC Shifts to AVOID on DC Hub Power Index

Enterprise (WECC) just shifted to AVOID on the DC Hub Power Index. That's typically a 12-18 month signal: the interconnect queue + transmission constraints have tipped past the point where

Guide to 10G BiDi SFP+ Optical Transceivers

How does the Fibrecross 10G BiDi SFP+ module provide 10Gb/s speed through single-mode fiber and support a transmission distance of up to 80 kilometers.

Comprehensive Guide to FS 10G BiDi SFP Modules

FS 10G BiDi SFP+ modules are a powerful tool for network engineers seeking to boost bandwidth without doubling fiber investment. With their compact form factor, reduced power draw,

10G BiDi SFP+ TX1550nm/RX1490nm 70KM LC Optical Transceiver

Product Description□10G BiDi SFP+ 1490nm/1550nm 70KM LC Optical Transceiver
This high-performance bidirectional SFP+ transceiver delivers 10Gbps connectivity over 70km single-mode

10G single fiber – Alphabridge – Network Infrastructure for India's ...

Overview The Alpha Bridge Technologies 10G Single Fiber SFP (Small Form-factor Pluggable) module is designed to meet the ever-growing demand for high-speed data transmission. Our module

Cisco 10GBASE SFP+ Modules Data Sheet

A SFP-10G-BX40D-I device is always connected to a SFP-10G-BX40U-I device with a single strand of standard SMF with an operating transmission range up to 40 km. The

The Complete Guide to BiDi Transceiver

BiDi variants are also available in the XFP form factor for 10G. The 25G BiDi transceiver provides 25GBase-BX throughput up to 40km over single

OFC 2026 New Launches Roundup Part II: Photonics Market Highlights

Coherent unveils a dual-laser QSFP28-DCO for bidirectional 100G over a single fiber
Viavi demonstrates an AI fabric-aware test portfolio and advanced measurement tools AIM

The Essential Guide to BiDi Transceivers: Everything

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

10G Bidi SFP+ Modules Selection Guide

Bidirectional (Bidi) optical modules are the ingenious solution, allowing data transmission and reception over a single fiber strand. This guide cuts

FS SFP-10G-BX: High-Performance Long-Distance

Boost your network with FS SFP-10G-BX: a reliable, low-power 10G BiDi SFP+ module supporting 10km single-fiber links and broad compatibility.

Cisco 10GBASE SFP+ Modules Data Sheet

Cisco SFP-10G-BX40D-I and SFP-10G-BX40U-I (for 40Km single-fiber bidirectional applications) The Cisco SFP-10G-BX40D-I and SFP-10G-BX40U-I

OFC 2026 New Launches Roundup Part II: Photonics Market Highlights

Coherent introduced a dual-laser QSFP28-DCO module that enables bidirectional 100G coherent transmission over just one fiber. This design extends reach up to 300 km and offers up to a

SFP SFP Plus QSFP Modules: Practical Network Cabling Guide

ZR (Ultra-Long Reach): single-mode, 80+ km. Long-haul links between sites. BiDi (Bidirectional): single fiber, two wavelengths (one per direction). Cuts fiber count in half for long runs where fiber is scarce.

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.

U®Fiber Modules and FiberCable Datasheet

Scale your fiber network using our flexible and lightweight fiber patch cables. The 10G multi-mode fiber patch cables are ideal for indoor telecommunications and data networks using our routing and

Syrotech 10G Single Mode Single Fibre Bidirectional 80

Syrotech, SFP+, 10G, BIDI, 1270/1330 NM, 80KM, SMF GOXP-BI2396-80 & GOXP-BI3296-80 is hot pluggable 3.3V Small-Form-Factor transceiver module. It

Comprehensive Guide to FS 10G BiDi SFP Modules

Enter the 10G BiDi (bidirectional) SFP+ module —an elegant solution that enables full-duplex communication over a single fiber strand using wavelength division multiplexing (WDM). FS

Liechtenstein Huawei SFP-10G-ZR100 10Gbps SFP+ 100km

Featuring low power consumption and high speed, this 10G SFP+ transceiver is ideal for data centers, 10G Ethernet, Fiber Channel, etc. HW SFP-10G-ZR100 is SFP+ MSA Compliant.

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.introspec.co.za>

Email: info@introspec.co.za

Phone: +27 73 849 2156

Address: 25 Riebeek Street, Cape Town, 8001, South Africa

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