

# Austria Door-to-Door Transport Single-Fiber Bidirectional SFP



## Overview

Supporting 2km transmission over single-mode fiber at 1550/1310nm wavelengths, this module provides 8 dB link budget and multi-rate operation from 100 Mbps to 2. LC/UPC connector with 0-70°C operation ensures reliable performance. Pair with Side A for bidirectional . 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 - e. D-Link, Zyxel, Mikrotik and Ubiquity among others. FS offers a comprehensive range of 10G BiDi modules tailored for diverse scenarios. As data center operators and. SFP+ BiDi 10G is a 10-gigabit optical transceiver technology designed to transmit and receive data over a single strand of single-mode fiber, making it an efficient solution for modern fiber-constrained networks. Why Choose BiDi?

Solving Your Fiber and Cost Challenges Why Choose BiDi?

Solving Your Fiber. Cleerline™ Bidirectional (BiDi) SFP transceivers are high performance, cost effective modules supporting data-rates of 1.



## Article Content

Apr 23, 2026

The Complete Guide to BiDi Transceiver

BiDi optics revolutionizes bidirectional fiber optic communication over a single fiber, significantly saving fiber resources and cabling costs. Widely

Sep 11, 2025

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

BiDi (Bidirectional) SFP - Single-fiber SFP modules for FTTH and fiber-efficient networking, allowing both transmit and receive signals to travel over a single

Aug 29, 2025

BiDi Optical Modules: Unlocking Single-Fiber

Comprehensive guide on BiDi Optical modules, detailing single-fiber bidirectional connectivity, deployment tips, troubleshooting, and multi-speed

May 04, 2026

BiDi (bidirectional traffic on a single fiber)

Bidirectional traffic on a single fiber, commonly referred to as BiDi, is a technology that enables data transmission in both directions using a single fiber optic cable. It is also known as

Sep 26, 2025

1G Bidirectional Transceivers for Service Provider and

The Cisco 1G bidirectional transceivers provide several benefits for both service provider and IoT applications. These transceivers offer the following

Aug 28, 2025

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 distances up to 160km.

Nov 01, 2025

10G BiDi SFP+ Modules: A Guide to Single-Fiber 10G

Explore how 10G BiDi SFP+ modules enable high-speed, bidirectional data over a single fiber, cutting costs, saving fiber, and simplifying network deployment.

Apr 25, 2026

### BiDi Transceivers: Single Fiber, Dual Wavelength

BiDi transceivers are now available in SFP, SFP+, QSFP28, and QSFP-DD formats, supporting data rates from 1 Gbps to 400 Gbps. This broad

Dec 14, 2025

### Single Fiber vs Dual Fiber Transceivers Understanding

Single fiber transceivers, like the BiDi Transceiver, use one fiber for bidirectional data, while dual fiber transceivers require two fibers for separate TX

Mar 07, 2026

### BiDi SFP: Data in both directions magic, one fiber is enough

For bidirectional data transmission via single-mode fiber optics, the specific properties for separating transmission and reception are used, i.e., the optical windows at 1270 nm and 1330 nm.

May 30, 2026

### Single-fiber Bidirectional Transceivers

Bidirectional transceivers transmit and receive optical signals through a single fiber, saving optical fiber resources. This is useful where fiber resources are scarce and

Feb 05, 2026

### 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 -

Feb 04, 2026

### What is the BiDi SFP module?

A BiDi SFP (Bidirectional Small Form-factor Pluggable) module is a type of SFP transceiver specifically designed for bidirectional communication over

Oct 08, 2025

### 10G BiDi SFP+ 10km | Tx1330/Rx1270 | Single Fiber Compatible

Compatible 10G BiDi SFP+ for 10km single fiber. Tx1330/Rx1270nm, 6.2dB budget, 50% fiber savings. Works with 80+ brands.

Nov 26, 2025

## SFP Bidirectional Transceivers | Cleerline

Cleerline™ Bidirectional (BiDi) SFP transceivers are high performance, cost effective modules supporting data-rates of 1.25Gbps or 10Gbps and 20km transmission

May 10, 2026

## 25G SFP28 ITEMP bidirectional transceivers extend single fiber reach

Maximize single fiber value with bidirectional (1270nm/1310nm) SFP28 25G signals. Extended signal reach of up to 40km is perfect for use in 5G wireless radio heads  
Industrial

Aug 14, 2025

## Differences Between Dual Fiber SFP and Simplex SFP

Dual Fiber SFP vs Simplex SFP Module: What are They? Dual fiber SFP modules are the commonly used 1G SFP module type. They operate on a

Feb 08, 2026

## Bidirectional or BiDi Transceivers Explained

Bidirectional (BiDi) transceivers are SFP transceivers that are able to send and receive data on the same fiber. Without BiDi, data can only travel in one direction on a single fiber, meaning each

Feb 03, 2026

## Single Fibre Bidirectional "BiDi" Optics | Lanode

Single Fibre Bidirectional "BiDi" Optics Traditionally fibre optic communication utilises 2 cores or strands of fibre between devices to achieve full duplex transmission.

Oct 18, 2025

## Comprehensive Guide to SFP BiDi 10G 40km Modules: Selection ...

Discover Link-PP's reliable and compatible SFP BiDi 10G 40km modules for high-speed, cost-effective single-fiber 10G networks. Learn about selection tips, wavelength pairing, installation

Jul 09, 2025

## OC-48 BiDi SFP 2km Side B | Single Fiber | EDGEOPTIC

Supporting 2km transmission over single-mode fiber at 1550/1310nm wavelengths, this module provides 8 dB link budget and multi-rate operation from 100 Mbps to

Sep 17, 2025

## BiDi Transceivers: Single Fiber, Dual Wavelength

Traditional optical communication systems require separate fiber strands for transmit and receive functions, consuming two fibers per link. BiDi

Dec 11, 2025

### 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.

Jun 16, 2026

### Comprehensive Guide to FS 10G BiDi SFP Modules

Optimize your fiber utilization with FS 10G BiDi SFP+ modules. Single-fiber 10G transmission, lower costs, high compatibility—ideal for data centers and telecom networks.

Oct 14, 2025

### 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,

Apr 10, 2026

### BiDi SFP Module: A Complete Guide for Fiber Networks

BiDi SFP modules enable bidirectional transmission over a single-mode fiber using paired wavelengths. They are available across 155M, 1G, and 10G speeds, supporting both legacy and modern networks.

Oct 05, 2025

### Fibre-to-the-home for many households in Austria

for a smart, safe, and better-connected future. With it's wide portfolio of comprehensive ICT solutions for the digitalisation of various industries combined with the fast and reliable support, S& T Iskrate.

## Contact Us

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