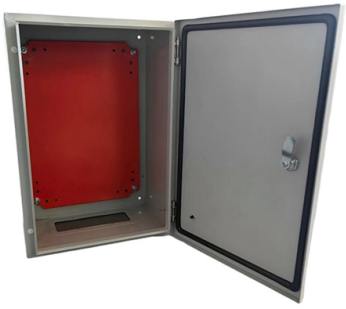
Saudi Arabia Single-Fiber Bidirectional SFP



Overview

Designed for single-mode fiber, this BiDi SFP+ module features an LC connector and supports 10 Gbps data rates over distances up to 10 km.

Key Takeaways

Single-fiber bidirectional (BiDi) SFP modules in Saudi Arabia support 1. 25 Gbps to 10 Gbps over single-mode fiber with LC connectors, enabling long-distance, cost-effective network deployment.

Overview of Bi

Di SF

P ModulesSingle-fiber BiDi SFP transceivers allow simultaneous transmit and receive over a single fiber strand, reducing cabling requirements and simplifying network infrastructure. They are widely used in data centers, enterprise networks, and long-distance fiber links. These modules typically use wavelength-division multiplexing (WDM), with one wavelength for transmitting and another for receiving.

Common wavelengths include 1310/1550 nm for 1. 25 Gbps modules and 1270/1330 nm for 10 Gbps modules.

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Popular Models Available in Saudi Arabia

Ubiquiti Networks Bi-

Directional Single-Mode LC SFP (1. 25 Gbps, 3 km)Data rate: 1. 25 GbpsWavelengths: 1310 nm transmit / 1550 nm receive (blue module) and reverse (yellow module)Distance: up to 3 km over single-mode fiberConnector: LC simplexPackaging: 1-pair or 2-pack kitsAvailability: Riyadh, Jeddah, Medina, Dammam, Mecca Ubiquiti UFiber BiDi SFP+ (10 Gbps, 10 km)Data rate: 10 GbpsWavelengths: 1270 nm transmit / 1330 nm receive (blue/red modules)Distance: up to 10 km over single-mode fiberConnector: LCPackaging: 1-pair or 10-pair packs for scalable deployment Huawei GE SFP BIDI (Gigabit Ethernet, 10 km)Data rate: 1 Gbps (Gigabit Ethernet)Wavelengths: TX 1490 nm / RX 1310 nmDistance: up to 10 km over single-mode fiberConnector: LC, plug-and-play installationSuitable for long-distance single-fiber networks Syrotech 1.

25G Single-Fiber SFP (20 km)Data rate: 1. 25 Gbps / 1. 0625 Gbps dual-rateWavelength: 1310 nm FP laser with PIN photodiode receiverDistance: up to 20 km over single-mode fiberFeatures: Digital Diagnostic Monitoring, SFP MSA compliance, industrial temperature range (-40 to +85°C)Connector: Single LC receptacle Key Considerations for DeploymentDistance and Data Rate: Choose modules based on required link distance and bandwidth.

For short links (

Article Content

Ubiquiti UFiber SFP/SFP+ Modules and Cabling – Bluechip Saudi

Designed for single-mode fiber, this BiDi SFP+ module features an LC connector and supports 10 Gbps data rates over distances up to 10 km. It transmits at 1270 nm (blue) and 1330 nm (red), and

Single Strand Fiber Module Supplier in Saudi Arabia

It is a hot-pluggable small-form-factor Bi-Directional transceiver designed for use in 10-Gigabit Ethernet links up to 20km over a single-strand Single Mode fiber. The module features a highly reliable

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NC Durable 2PCS 1.25G Single-Mode Fiber SC Simplex Connector

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NC Durable 2PCS 1.25G Single-Mode Fiber SC Simplex Connector 1000BASE BiDi 1310nm/1550nm 3km SFP Transceiver Module SFP-BX03-D Brand: NC (10) SAR14899

SFP-1020-WB

The SFP-1020-WB is a BiDirectional single fiber strand 10G SFP+ optical module using Tx:1330nm and Rx:1270nm wavelengths. The transceiver supports all 10G rated speeds for Ethernet, SONET, SDH

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,

Ubiquiti UACC-OM-SM-1G-S-2 SFP Network Transceiver 1 Gbps

Featuring BiDi technology, it enables bidirectional communication on a single fiber strand, reducing the complexity of fiber cabling for streamlined network setups.

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.

Bidirectional SFP Selection Guide for Single-Fiber Links

This guide explains how bidirectional SFP technology works and outlines the key specifications to consider when selecting modules for single-fiber links. It also covers common BiDi SFP types,

SFP Optical Module For Networking | ACIX Saudi Arabia

SFP Optical Module 155m Product Description The SFP optical module is the component uses a single-mode optical fiber that helps transmit data ranging up

1G BiDi SFP Module Selection Guide: Maximize Fiber Efficiency

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

BiDirectional Single mode fiber SFP

I have been trying to track down a pair of SFP''s to run bi-directionally over a single strand of single mode fiber. I found this model MFEBX1 that will TX at 1310nm and RX at 1550nm, but I

BiDi SFP Modules: Single-Fiber Bidirectional Guide

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BiDi SFP modules use a single fiber strand for both transmitting and receiving data. Learn how single-fiber bidirectional technology works, wavelength pairs, and when to choose BiDi

Introduction About BiDi SFP and BiDi Fiber

How Does BiDi SFP Work? As the above-mentioned introduction about BiDi SFP, we have learned the modules separate different transmission wavelengths over a single fiber to achieve

What Is a Single Fiber SFP? A Complete Guide for Beginners

Learn what a single fiber SFP is, how it works, key differences from dual fiber SFPs, common applications, and how to choose the right BiDi SFP.

Saudi Arabia Single-mode Fiber Fransceiver Market Key Market

Investment activity within the Saudi Arabia Single-mode Fiber Transceiver Market reflects a strategic focus on expanding digital infrastructure and fostering technological innovation.

Ubiquiti Networks UF-MM-1G SFP + Multi-Mode Network Transceivers, Fiber ...

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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

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