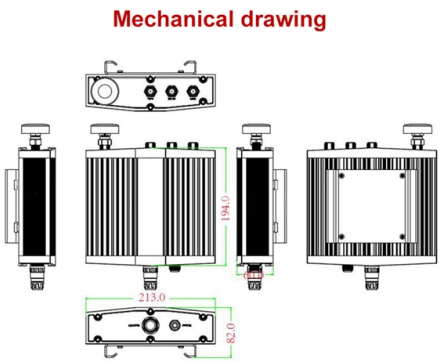
Huijue Fiber Optic Single-Mode Transceiver



Overview

Our transceiver modules are available for commercial and industrial applications, supporting varying distances from 500m to 160km, depending on multimode or single-mode fiber.

Key Takeaways

The Huijue Single-Mode Fiber Optic Transceiver is a 10G SFP+ module with LC duplex connector, designed for long-distance single-mode fiber communication up to 10 km.

Key Specifications



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Form Factor: SFP+ (Small Form-Factor Pluggable Plus)Data Rate: 10 Gigabit Ethernet (10GBASE-LR or BIDI variants)Fiber Type: Single-Mode Fiber (SMF)Connector Type: LC duplexWavelength: Standard 1310 nm for LR modules; BIDI modules operate at 1330 nm TX / 1270 nm RXTransmission Distance: Up to 10 km over single-mode fiberDuplex Communication: Supports full-duplex operation, including bidirectional (BIDI) modules that transmit and receive over a single fiber strandDigital Diagnostics Monitoring (DDM): Available on some models for real-time monitoring of optical power, temperature, and voltageFeatures and ApplicationsPlug-and-Play: Hot-swappable SFP+ module compatible with major networking equipment, including Huawei, Cisco, and other enterprise switchesHigh Performance: Designed for reliable long-distance data transmission in enterprise, telecom, campus, and data center networksCost-Effective BIDI Option: Reduces fiber cabling requirements by using a single strand for bidirectional communicationSeamless Integration: Can be used with media converters to connect fiber to copper Ethernet networksUse CasesData Centers: High-speed uplinks between switches or serversEnterprise Networks: Long-distance connections across buildings or campusesTelecom Networks: Reliable 10G Ethernet links over single-mode fiberFiber-to-Ethernet Conversion: Integration with media converters for legacy copper networks The Huijue single-mode transceivers are widely available through distributors and online marketplaces, with datasheets providing detailed electrical and optical characteristics for network planning and deployment.

Article Content

LC Single-Mode Optical Module Huijue

LC Single-Mode Optical Module Huijue 10 Gigabit Fiber SFP + (LC) Single-Mode Optical Transceiver Module The new line of Intellinet Enhanced Small Form Factor Pluggable (SFP) Transceivers

Huijue Optical Module Single Fiber

Our transceiver modules are available for commercial and industrial applications, supporting varying distances from 500m to 160km, depending on multimode or single-mode fiber.

Huijue Fiber Optic Transceiver Corresponding Optical Module

H87MMA5671A2 Huawei GPON CLASS B+ SFP compatible module (PN:03031QHU) is fiber optic transceiver designed for operation over Single-Mode Fiber (SMF) optical cable.

Amazon : Single Mode Sfp

Discover high-performance single mode SFP modules for your network. Compatible with major brands like Cisco, Ubiquiti, and more.

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HiFiber 1000BASE-LX SFP Transceiver, SFP zu LC, 1.25G ...

H!Fiber offers one-stop Datacenter solution and products, including SFP Transceivers, DAC Cables, Network Card, Media Converters, Fiber Optical Cables, Minisas Cables and more.

Huawei SFP-1G-LX-20KM-HU SFP 1000BASE-LX Singlemode

The SFP-1G-LX-20KM-HU 1000BASE-LX LC Duplex SFP compatible with Huawei has a receiving function (receiver with 1310nm) and a transmitting function (transmitter with 1310nm) for the

SFP-GE-LX-SM1310 (02315200)

Important Notes About Using Optical Modules Certified for Huawei Switches Understanding Optical Modules Understanding Copper Modules GE eSFP Optical Modules

Optical Modules for Huawei S Series Switches

Single-mode optical modules are used with single-mode fibers. Single-mode fibers support a wide band and large transmission capacity, and are used for long-distance transmission.

Huijue Single-Mode Dual-Port Fiber Optic Transceiver | eBay

Find great deals on eBay for Huijue Single-Mode Dual-Port Fiber Optic Transceiver. Shop with confidence.

Huawei Optical Transceiver eSFP GE Single-Mode

The Huawei eSFP GE Single-Mode Module 1310 nm 10 km LC delivers reliable 1 Gbps fiber connectivity for long-distance networks. Designed for enterprise

What is Optical Transceiver: A Beginner Guide (2024)

What is an Optical Transceiver? An optical transceiver, also known as a fiber optic transceiver or optical module, is a small packaged device that

How to Choose the Right Fiber Optic Cable for Your Optical Transceiver ...

Learn how to choose the right fiber optic cable for SFP, SFP+, SFP28, QSFP+, QSFP28, QSFP-DD, and OSFP optical transceivers. Avoid common fiber compatibility mistakes and improve

Copper vs Fiber Cabling Explained | ComputingForGeeks

Compare copper vs fiber cabling: UTP categories and the 100 m limit, multimode vs single-mode fiber, straight-through vs crossover, and connectors.

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SFP Optical Transceiver Modules for Long Distance: A Complete

Discover everything you need to know about SFP optical transceiver modules for long-distance fiber transmission. Compare LX, EX, ZX models and choose the right module for your

10G Bidirectional Single-Mode Optical Module

SFP+ transceiver that supports 10G connections up to 10 km using single-mode fiber with a simplex LC UPC connector.

SEL-2829 Single-Mode Fiber-Optic Transceiver/Modem

Single-Mode Fiber-Optic Transceiver/Modem Improve safety, signal integrity, and reliability by using two optical fibers instead of wire to transfer bidirectional serial data using single-mode optical fiber. Apply

What Is Fiber Optics? Definition from SearchNetworking

Learn how fiber optics works and why fiber is a common alternative to copper cabling. Also explore the advantages and disadvantages of optical fiber.

Optic Modules Datasheet

4 Optic Modules Data Sheet ... SFP (form factor) = small form-factor pluggable transceiver SMF (media) = single-mode fiber-optic MMF (media) = multimode fiber-optic XFP (form factor) = 10-gigabit small

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

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

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