



Huawei 10 Gigabit Optical Module Single-Mode Dual-Core 20km Range

Article Overview

Huawei 10G SFP+ optical modules support single-mode fiber with dual-core bidirectional operation up to 20km.

Key Specifications

- o Transmission Standard: 10GBase-BX SFP+
- o Fiber Type: Single-mode fiber (SMF)
- o Maximum Distance: 20 km over SMF
- o Wavelengths: 1270nm transmit / 1330nm receive (bidirectional)
- o Connector Type: LC duplex
- o Bidirectional Operation: Must be paired with a complementary module of opposite wavelength (e.g., 1270nmTx/1330nmRx with 1330nmTx/1270nmRx) to function correctly

Compatibility and Standards

These modules are Huawei-compatible and comply with Multi-Source Agreement (MSA) standards, ensuring seamless integration with Huawei switches and other network devices . They are designed to meet or exceed OEM specifications and are fully tested for data traffic and application performance.

Environmental and Operational Features

- o Operating Temperature: -40°C to 85°C
- o Storage Temperature: -40°C to 85°C
- o Durability: Built to withstand harsh environments and maintain stable performance

Usage Notes

- o Pairing Requirement: Single-fiber bidirectional modules must always be used in pairs with complementary wavelengths to achieve the full 20 km range .
- o Applications: Ideal for long-distance 10G network links, data centers, and enterprise backbone connections.
- o DOM Support: Some modules include Digital Optical Monitoring (DOM) for real-time monitoring of optical parameters .

Summary

The Huawei 10G SFP+ single-mode dual-core optical module is a reliable solution for 20 km high-speed



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connections over single-mode fiber. Its bidirectional design, wide operating temperature range, and MSA compliance make it suitable for enterprise and carrier-grade networks, provided it is paired correctly with a complementary module.

TRENDnet's SFP Single Mode LC Module, model TEG-MGBS20, is compatible with standard SFP slots found on network switches

Huawei SFP-10G-LR compatible optical transceiver is a dual fiber 10Gbps Small Form-factor Pluggable SFP+ module for use in

The Huawei 10G-1310nm-10km-SM-SFP+ (SFP-10G-LRV) Optical Transceiver is a single-mode module

This Huawei-compatible SFP+ transceiver provides 10GBase-LR throughput up to 20km over single-mode fiber (SMF) using a

Buy 10G SFP+ LR20 SMF 1310nm 20km Optical Transceiver Manufacturer at Affordable Factory Price, 5-Year Warranty & Money

Compatible 1000Base-LX/LH Singlemode 10km 1310nm SFP Transceiver for Gigabit Ethernet.

Huawei SFP-10G-GE-LX Compatible 10G SFP+ Module - Single-mode 1310nm Wavelength for up to 10km

Huawei 10g single-mode single-fiber optical module (sc/lc port, 1270/1330nm, supports 20km/40km/80km) is a classy

The Huawei SFP-GE-LX-SM1310 is a carrier-grade optical transceiver designed for Gigabit Ethernet over single-mode fiber.

Huawei Optical Transceiver, SFP+, 1310nm, 10.3125Gb/s, -8.2~0.5dBm, -14.4dBm, LC, SM, 10km Brand:

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Huawei Compatible 10GBASE-BX20-D BiDi SFP+ Transceiver Module (SMF, 1330nm-TX/1270nm-RX, 20km, LC, DDM) The Huawei

This is a standard SFP optical module. It uses a single mode optical fiber and the speed rate can up to 1.25Gbps, transmission



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Huawei SFP-10G-LR Compatible 10GBASE-LR SFP+ 1310nm 10km SMF LC DOM Optical Transceiver Module Huawei SFP-10G-LR

The Huawei Optical Transceiver, SFP+, 10G, Single-mode Module (1,310 nm, 10 km, LC) is guaranteed 100% Compatible and

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