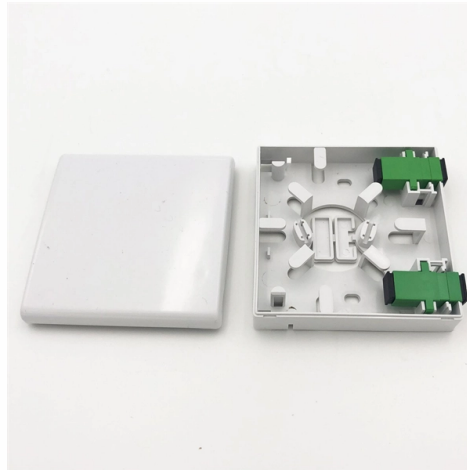


Huawei 1310 optical module parameters



AI Overview

The Huawei SFP-10G-ER-1310 is a 10G SFP+ single-mode optical transceiver operating at 1310 nm, designed for long-reach links up to 40 km under standard conditions.

Key Specifications

- Data Rate:** Supports 10 Gigabit Ethernet (10GE)
- Wavelength:** 1310 nm
- Maximum Transmission Distance:** Up to 40 km over single-mode fiber (SMF) under standard conditions; when connected to a 10GBASE-ER module (1550 nm), the distance is limited to 20 km due to wavelength and receiver sensitivity differences
- Fiber Type:** Single-mode fiber (SMF)
- Connector Type:** LC duplex
- Compatibility:** Requires switches running V200R010C00 or later versions
- Optical Power and Sensitivity:** Specific transmit power and receiver sensitivity are not detailed in the sources, but typical 10G ER modules operate with a transmit power range around -3 to +3 dBm and receiver sensitivity near -15 dBm
- Use Case:** Suitable for long-distance backbone links, data center uplinks, and campus interconnects where 10G single-mode fiber is deployed
- Operational Notes**
 - Interoperability:** The module must be paired with compatible optical modules; mismatched wavelengths (e.g., 1310 nm vs 1550 nm) reduce the effective transmission distance
 - BIDI Modules:** Single-fiber bidirectional (BIDI) modules must be used in pairs, such as SFP-10G-ER-SM1270-BIDI with SFP-10G-ER-SM1330-BIDI
 - Environmental Range:** Standard operating temperature is typically 0°C to 70°C for Huawei SFP+ modules, ensuring reliable performance in data center and campus environments

This module is ideal for long-reach 10G Ethernet connections where stable performance over single-mode fiber is required, particularly in backbone, metro, and inter-building links. It provides a cost-effective solution for extending 10G networks without extensive fiber upgrades.

Article Content

Huawei, eSFP, 1310nm, 1.25Gb/s, -9~-3dBm, -20dBm, LC, Single

The Huawei fiber optic module with the part number 34060473 is a high performance, single mode transceiver designed for long distance data transmission. Here's a detailed introduction to its key

[huawei-sfp-ge-lx-sm1310-bidi-brochure-datasheet.pdf](#)

This document provides specifications for an SFP-GE-LX-SM1310-BIDI optical transceiver module. It operates at 1 Gbit/s over single-mode fiber for up to 10 km, using 1310 nm transmission and 1490 nm

Huawei SFP-GE-LX-SM1310 1GE 1310nm 10km SFP

Huawei SFP-GE-LX-SM1310 1GE 1310nm 10km single-mode SFP module for Huawei switches and routers. Check real-time price, stock and lead time. Global

SFP-10G-ER-1310

This module can only be used on a switch running V200R010C00 or a later version.

SFP-10G-ER-1310

10GE-CWDM SFP+ Optical Modules 10GE-DWDM SFP+ Optical Modules 25GE SFP28 Optical Modules 40GE QSFP+ Optical Modules 100GE QSFP28 Optical Modules SFP-10G-ER-1310 Table 9

Huawei SFP-10G-LR Datasheet Overview

Quick Specs ... Product Details Huawei SFP-10G-LR provides these features: x/Rx Wavelength: 1310 nm. / 1310 nm. Media Type: Single-Mode iber (SMF) Optical Budget: 6 dB Max. Distance: 10 km

Huawei 10G SFP+ optical transceiver, SM, 1310nm,

Huawei SFP-10G-iLR is a single-mode 10G SFP+ module with a wavelength of 1310 nm and two LC connectors for connection over distances of up to 1.4 km.

Everything You Need to Know About 1310nm Optical

A 1310nm optical module lets you move data efficiently through fiber optic communication networks. As part of the O-band (1260-1360 nm), it

Huawei SFP-10G-LR Datasheet Overview

Overview Huawei SFP-10G-LR Compatible 10G SFP+ Module - Single-mode 1310nm Wavelength for up to 10km with Standard Compatibility. This high-quality Huawei SFP-10G-LR Compatible 10GBASE

How to View Optical Module Parameters

If you know the model or type of an optical module, you can view the section "Pluggable Modules for Interfaces" in the Hardware Description to look up parameters of the optical module, including the

SFP-GE-LX-SM1310-BIDI (Single-Fiber-Bidirectional Module)

Single-fiber bidirectional (BIDI) optical modules must be used in pairs. For example, SFP-GE-LX-SM1310-BIDI must be used with SFP-GE-LX-SM1490-BIDI.

SFP-10G-ER-1310

When connected to a 10GBASE-ER standard optical module (1550 nm, 10 Gbit/s, 40 km), an SFP-10G-ER-1310 optical module supports only 20 km of maximum transmission distance.

How to View Optical Module Parameters

Using a Command If an optical module is installed in a running router, you can run the display transceiver command to view parameters of the optical module, including the center

Huawei 02311RLX Datasheet

If the SFP-10G-ER-1310 is connected to a 10Gbase-ER standard optical module (1550nm, 10GE, 40km), the maximum transmission distance is only 20km due to different specifications such as wavelength

Huawei 10G-1310nm-10km-SM-SFP+ SFP-10G-LRV

The Huawei 10G-1310nm-10km-SM-SFP+ (SFP-10G-LRV) Optical Transceiver is a single-mode module designed to enable high-performance optical data

Huawei OSX010000 Datasheet

Huawei OSX010000 Compatible 10GBASE-LR SFP+ Optical Transceiver Module (SMF, 1310nm, 10km, LC, DOM) Product Specifications ... Contact Us: Email: sales@compufax (305) 865-8517 +1

1.25 Gbit/s SFP/eSFP Optical Module

1.25 Gbit/s SFP/eSFP Optical Module You can use different levels of 1.25 Gbit/s SFP/eSFP optical modules with GE interfaces and 10 GE interfaces. The wavelength of common

Optical Modules for Huawei S Series Switches

A switch must use optical or copper modules that have been certified for use on Huawei switches. Non-certified optical or copper modules cannot ensure transmission reliability and may affect service

Huawei Optical Transceiver eSFP GE Single-Mode

Description The Optical Transceiver eSFP GE Single-Mode Module (1310 nm, 10 km, LC) is a high-performance Gigabit Ethernet optical module designed for

02311RLX

If the SFP-10G-ER-1310 is connected to a 10Gbase-ER standard optical module (1550nm, 10GE, 40km), the maximum transmission distance is only 20km due to

Huawei 02315200 Datasheet

Huawei 02315200 Datasheet Huawei SFP-GE-LX-SM1310 Optical Transceiver, eSFP, GE, Single-mode Module (1310nm, 10km, LC)

SFP-GE-LX-SM1310 (02315200)

This document provides specifications and details about the SFP-GE-LX-SM1310 optical module for Huawei devices.

Huawei 02318170 Datasheet

Transmitter Optical Characteristics Center wavelength : 1310 nm Maximum Tx optical power : 0.5 dBm Minimum Tx optical power : -8.2 dBm Minimum extinction ratio : 3.5 dB

SFP-10G-LR, Huawei SFP+ Optical Transceiver, 10G,

Huawei SFP-10G-LR 10G SFP+ 1310nm 10km single-mode LC module for enterprise and carrier networks. Check real-time Huawei 10G SFP module price

10GE SFP+ Optical Modules

When connected to a 10GBASE-ER standard optical module (1550 nm, 10 Gbit/s, 40 km), an SFP-10G-ER-1310 optical module supports only 20 km of maximum transmission distance.

Huawei SFP-10G-LR Price Datasheet Optical

SFP-10G-LR The Arista Small Form-Factor Pluggable (SFP) optics modules and cables offer customers a wide variety of high-density and low-power 10 Gigabit Ethernet connectivity options over fiber or

Optical Modules for Huawei S Series Switches

If an optical module is installed in a running switch, you can run the display transceiver command to view parameters of the optical module, including the center wavelength, transmission distance, fiber types

Contact Us

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