

Article Overview

Huawei 1310nm optical modules support speeds ranging from 1.25 Gbps up to 10.31 Gbps depending on the specific module type.

Speed Specifications

- o 1.25 Gbps Modules: The Huawei ESFP 1310nm optical module supports a data rate of up to 1.25 Gbps, suitable for standard Gigabit Ethernet applications over single-mode fiber with distances up to 40 km .
- o 10G Modules: Huawei SFP-10G-LR 1310nm modules support speeds from 1.25 Gbps to 10.31 Gbps, designed for 10GBASE-LR applications with a typical maximum distance of 10 km over single-mode fiber .
- o Higher-Speed Options: 1310nm modules can also support 25G and 100G Ethernet in data center and enterprise backbone deployments, though these are typically specialized modules with DFB lasers for higher-speed transmission .

Applications and Considerations

- o Medium-Distance Links: 1310nm modules are ideal for metro access networks, campus backbones, and data center interconnects up to 10 km, balancing cost and performance .
- o Fiber Type: Single-mode fiber (SMF) is recommended for optimal performance and longer distances.
- o Laser Type: FP lasers are common for 1G/2.5G modules, while DFB lasers are used for 10G and above to maintain signal integrity over longer distances .
- o Network Compatibility: Ensure the module matches the switch or router interface and supports the required data rate to avoid performance issues.

Summary

Huawei 1310nm optical modules provide flexible speed options from 1.25 Gbps for standard Gigabit Ethernet to 10.31 Gbps for 10G applications, making them suitable for a wide range of enterprise, campus, and metro network deployments. Choosing the correct module depends on the required data rate, transmission distance, and fiber type.

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



Huawei 1310 optical module speed

When connected to a 10GBASE-ER standard optical module (1550 nm, 10 Gbit/s, 40 km), an SFP-10G-ER-1310 optical module

Huawei 1.25G SFP optical module for single-mode fiber, designed to provide stable 1.25Gbps transmission at 1310nm with a range

1Gbps eSFP Optical Modules 10Gbps SFP+ Optical Modules 40Gbps QSFP+ Optical Modules 100Gbps QSFP28 Optical Modules

These compact optical transceivers offer a. access and ring network, storage network, and long-haul network.

The Huawei OSX010000 is a carrier-grade SFP+ optical transceiver designed for 10G backbone and aggregation links. Delivering 10

Overview Huawei SFP-10G-LR Compatible 10G SFP+ Module - Single-mode 1310nm Wavelength for up to 10km with Standard

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

We send the Huawei SFP GE LX SM1310 from our factory by courier companies like UPS,DHL or Fedex to worldwide locations and

Huawei SFP-GE-LX-SM1310 is Optical Transceiver. It's a Single-mode Module. Quick Specs Product Code : SFP-GE-LX-SM1310

1310nm optical module offers reliable, cost-effective data transmission for metro, campus, and enterprise networks.

Huawei SFP-GE-LX-SM1310 Optical Transceiver, eSFP, GE, Single-mode Module (1310nm, 10km, LC)
Brand: Huawei Part Number:

Networking Type SFP+ transceiver module Form Factor Plug-in module Connectivity Technology Wired
Data Transfer Rate 10 Gbps

Optical Module Huawei (ESFP) 1,25G 1310nm, 40km Features Up to 1.25 Gbps of data speed. Duplex optical interface receptacle

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

