

Huawei Single-Mode 10 Gigabit Optical Module Parameters



Overview

This Huawei® OSX010000 compatible SFP+ transceiver provides 10GBase-LR throughput up to 10km over single-mode fiber (SMF) using a wavelength of 1310nm via an LC connector. It can operate at temperatures between 0 and 70C. 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 and receiving sensitivity. Single-fiber bidirectional (BIDI) optical modules must be used in pairs. Our transceiver is built to meet or exceed OEM specifications and is. The 10G 1310nm 10km SM SFP+ Huawei optical transceiver is a high-performance, cost-effective solution for 10 Gigabit Ethernet applications over single-mode fiber (SMF). It is designed to support long distance transmission using single mode fiber optic cables. Here's a. Are Attenuators Required in the Case of Short-Distance Connection Using Single-Mode Optical Modules?

Why an Interface Does Not Enter the linkdown State When Its Receiving Power Reaches the Lower Threshold?

Does a Port Frequently Alternate Between Up and Down States When a Non-Huawei-Certified.



Article Content

Nov 28, 2025

Huawei SFP-GE-LX-SM1310-A Single Mode Fiber Transceiver

Professional Huawei SFP module with 1.25Gbps data rate, 1310nm wavelength & 10km range. 100% H3C compatible with lifetime warranty.

Aug 28, 2025

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 fiber (SMF) Optical Budget: 6 dB Max. Distance: 10 km

Sep 14, 2025

Osx010000-c Datasheet

Our transceiver is built to meet or exceed OEM specifications and is guaranteed to be 100% compatible with Huawei®. It has been programmed, uniquely serialized, and tested for data-traffic and

Jun 24, 2026

10G 1310nm 10km SM SFP+ Huawei Brand New Optical Transceiver

Fully compliant with SFF-8431, SFF-8472, and IEEE 802.3ae standards, this Huawei transceiver supports Digital Diagnostic Monitoring (DDM), allowing real-time monitoring of optical parameters for

Apr 07, 2026

Displaying Optical Module Information

What Is the Impact of Using Non-Huawei-Certified Optical Modules? Huawei-certified optical modules have been tested to the highest standards to ensure their quality. Tests include the installation and

Jun 18, 2026

SFP-GE-LX-SM1310

Huawei Compatible SFP Transceiver Module QuickSpecs Technical Specifications 1000BASE-LX/LH Small Form-factor Pluggable (SFP). Standards based Gigabit

Mar 11, 2026

10 Gbit/s SFP+ Optical Module

HUAWEI AntiDDoS8000 V500R005 Hardware Description 10 Gbit/s SFP+ Optical Module You can use different levels of 10 Gbit/s SFP+ optical modules only with 10 GE interfaces.

Jan 08, 2026

Huawei SFP-10G-GE-LX Compatible 10Gb SFP

Huawei SFP-10G-GE-LX Compatible 10G SFP+ Module - Single-mode 1310nm Wavelength for up to 10km with Standard Compatability This high-quality Huawei

Sep 04, 2025

world.taobao : juniper juniper networks optical module sfp-1ge-lx ...

welcome to taobao purchase juniper juniper networks optical module sfp-1ge-lx 7 40-011614 gigabit single-mode, taobao taobao taobao/tmall tmall tmall tens of millions of hot sale, support foreign

Oct 13, 2025

Huawei SFP-GE-LX-SM1310 Transceiver eSFP GE Single-mode

Previous [Single Mode Fiber Optic SFP+ Transceiver Modules SFP-10G-ZR ...](#) next [Huawei OSX010000 Optical Transceiver Single Fiber Module SFP...](#)

Dec 14, 2025

10 Gbit/s SFP+ Optical Modules

10 Gbit/s SFP+ optical modules apply to 10 GE optical ports. The wavelength can be 850 nm, 1310 nm, or 1550 nm, and the transmission distance ranges from 0.5 km (0.31 mi) to 80 km (49.71 mi).

Jun 16, 2026

10 g sfp module

SFP-10G-LR-S Cisco 10 Gig SFP Modules Fiber Optic Transceiver Network SFP-10G-LR-S Cisco 10 Gig SFP Modules Fiber Optic Transceiver Network Quick Details: The Cisco 10GBASE SFP+

Jun 05, 2026

Huawei SFP-10G-ZDWT 02310YUT Optical

The Huawei SFP 10G ZDWT 02310YUT Optical Transceiver is a high performance, hot swappable input/output device that enables 10 Gigabit Ethernet connectivity in data centers and high speed

Mar 26, 2026

10GE SFP+ Optical Modules

OMXD30000 OSX010000 OSX040N01 OSXD22N00 SFP-10G-BXD1 SFP-10G-BXU1
SFP-10G-ER-1310 SFP-10G-ER-SM1270-BIDI SFP-10G-ER-SM1330-BIDI SFP-10G-LR-I
SFP-10G-USR SFP-10G

Nov 28, 2025

Huawei SFP-GE-LX-SM1310 compatible SFP 1G

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

Nov 17, 2025

Huawei Optical Transceiver eSFP GE Single-Mode Module

The Optical Transceiver eSFP GE Single-Mode Module (1310 nm, 10 km, LC) is a high-performance Gigabit Ethernet optical module designed for long-distance fiber networking applications. Engineered

May 16, 2026

10GE SFP+ Optical Modules

This document provides an overall description of the CE12800 series switches hardware, helping you obtain detailed information about each chassis, power module, fan module, card, cable, and

May 17, 2026

10G single-mode OSX010000: a reliable solution for enterprise high ...

This article will introduce what a 10G single-mode optical module is, the technical parameters and application fields of the 10G single-mode optical module OSX010000.

May 23, 2026

Huawei Technical Support

This document provides technical details about 1Gbps eSFP Optical Modules, including specifications and support information.

Nov 11, 2025

Huawei 02318170 Datasheet

Form factor: SFP+ Application standard: 10GBASE-LR Connector type: LC Optical fiber type: SMF Working case temperature [°C(°F)]: 0°C to 70°C (32°F to 158°F)
Transmission rate [bit/s]: 10 Gbit/s

Sep 07, 2025

Cisco C9200L-STACK-KIT= Switch Stacking Module

High-performance stacking kit for Cisco Catalyst 9200L switches. 80Gbps bandwidth, supports 8-unit stacks, simplifies management with single IP control.

Dec 22, 2025

Accortec 10GBASE-DWDM 1534.25nm (ITU Channel 54) SFP+ Optics Module ...

Accortec 10GBASE-DWDM 1534.25nm (ITU Channel 54) SFP+ Optics Module - For Data Networking, Optical Network - 1 LC 10GBase-DWDM Network - Optical Fiber - Single-mode - 10 Gigabit Ethernet

Mar 03, 2026

High-Performance Connectivity: The Definitive Guide to CQP-85100G

1. Summary The CQP-85100G-SR4 100G QSFP28 SR4 optical transceiver represents the pinnacle of short-range data transmission technology for modern enterprise networks and hyperscale

Dec 20, 2025

Cisco 10GBASE SFP+ Modules Data Sheet

The Cisco 10GBASE SFP+ modules give you a wide variety of 10 Gigabit Ethernet connectivity options for data center, enterprise wiring closet, and

Oct 08, 2025

Small Form-factor Pluggable

Small Form-factor Pluggable Small Form-factor Pluggable connected to a pair of fiber-optic cables Small Form-factor Pluggable (SFP) is a compact, hot-pluggable

Jan 14, 2026

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 1.25 Gbit/s SFP/eSFP optical modules can be 850

Mar 08, 2026

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

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.elagage-lorrain.fr>

Email: sales@elagage-lorrain.fr

Phone: +33 6 47 82 19 35

Address: 15 Rue de la République, 69002 Lyon, France

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