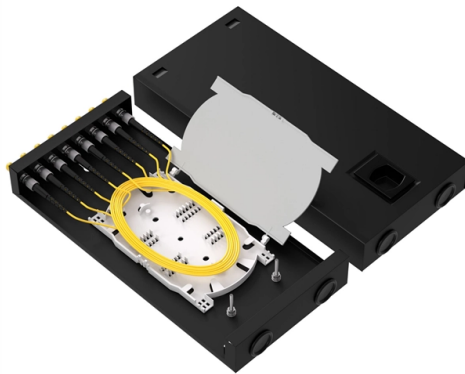


# Huawei optical modules are compatible with 10 Gigabit and 1 Gigabit speeds



## Overview

31 Gbps data rate and such applications as 10G Ethernet (10. SFP+ Double Fiber optical transceiver is multi-purpose module used in number of different places of today's networking. Huawei is not liable for any problem caused by the use of non-certified optical or copper. Huawei compatible SFP+10GE-LH10-SM1310 (02311MUU) is SFP+ (Small Form factor Pluggable) Transceiver, operating over Double Fiber Single-Mode Fiber (SMF) optical cable. In today's fiercely competitive environment, people's demands for quality are increasing. The primary difference is that SFP+ is an updated version of SFP but supports higher speeds up to 10Gbps. If the SFP-10G-ER-1310 is connected. Can 1G SFP optics work with 10Gb SFP+ ports on a 10Gb switch, or vice versa?

This comprehensive guide reveals the intricacies of SFP and SFP+ compatibility and provides useful solutions for network switch users.



## Article Content

Aug 23, 2025

Is SFP Compatible With SFP+? Can 10G SFP+ Run at 1G SFP ...

Edited in 2021: 1/10G dual-rate SFP+ transceivers are designed for use in 1-Gigabit and 10-Gigabit Ethernet links over single-mode fiber (SMF) or multi-mode fiber (MMF).

Jul 16, 2025

Huawei 10G optical module knowledge

As for whether Huawei's 10G optical module can be connected to a Gigabit optical port, the answer is yes. Huawei's 10G optical modules are backward compatible, ...

Jan 10, 2026

Optical Module Encapsulation Types

An SFP+ optical module is an enhanced version of an SFP optical module and supports data rates up to 10 Gbit/s. An SFP+ optical module supports multiple rates, such as FC800, 10GE WAN, 10GE LAN, ...

May 09, 2026

Can your optical modules be compatible with Huawei S6720S

Before shipping, the products undergo strict testing to ensure the compatibility and performance of the optical modules. Today, we will share with you the verification and optical module ...

Nov 28, 2025

10GE SFP+ Optical Modules

Single-fiber bidirectional (BIDI) optical modules must be used in pairs. For example, SFP-10G-BXU1 must be used with SFP-10G-BXD1.

Oct 03, 2025

F5.5G Unlocks Fiber's Potential and Brings 10Gbps Everywhere

With new, innovative device structures and techniques, Huawei's 50G PON optical modules can support 40 km coverage while maintaining compatibility between GPON, 10G PON, and 50G PON on a ...

Jun 09, 2026

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).

Dec 22, 2025

### Understanding Pluggable Optical Modules

Optical modules are available in various types to meet diversified requirements. Currently, the transmission rates of optical modules cover a wide range.

Oct 05, 2025

### Huawei Compatible SFP+ Transceiver

Huawei compatible SFP+10GE-LH10-SM1310 (02311MUU) is SFP+ (Small Form factor Pluggable) Transceiver, operating over Double Fiber Single-Mode Fiber (SMF) optical cable. It has minimum ...

Dec 22, 2025

### Optical Modules for Huawei S Series Switches

Huawei started certification on 10GE or lower speed optical modules for switch products on July 1, 2013. To determine whether optical modules delivered for Huawei switches before July 1, 2013 are certified ...

Feb 13, 2026

### Types of Optical Modules

Depending on transmission rates, optical modules are classified into 400GE, 100GE, 40GE, 25GE, 10GE, FE, and GE optical modules. The higher transmission rate an optical module provides, the ...

Aug 10, 2025

### Understanding SFP to SFP+ Compatibility: A ...

As of 2021, 1/10G dual-rate SFP+ transceivers have been designed for use in 1-Gigabit and 10-Gigabit Ethernet links over single-mode fiber (SMF) or ...

Aug 10, 2025

### Can Huawei's 10Gbps optical module be connected to a Gigabit ...

Generally, the speed of optical modules is backward compatible, so when we insert the 10Gbps optical module into the Gigabit optical port, as long as the transmission rate of the opposite end is the same, ...

## Contact Us

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