

# What optical module does the Huawei 7900EX12 use



## Overview

The SFP-FE-SX-MM1310 (part number: 02315233) is a Huawei-certified 100M optical module. However, the Vendor Name field displays the original manufacturer name, instead of HUAWEI. Non-certified optical or copper modules cannot ensure transmission reliability and may affect service stability. is a telecommunications network solutions provider. Huawei is not liable for any problem caused by the use of non-certified optical or. Describes what an optical module is and FAQs, including the fundamentals, appearance and structure, key performance counters, common types, and naming conventions of optical modules, causes of optical module failures and corresponding protection measures, types of optical modules supported by. An eSFP module is an SFP module that supports monitoring of voltage, temperature, bias current, transmit optical power, and receive optical power. SFP+: small form-factor pluggable plus, SFP with a higher rate.

## Article Content

Mar 22, 2026

Huawei Technical Support

Learn how to display optical module information on Huawei devices using specific commands and understand the diagnostic details of optical modules.

Apr 30, 2026

Optical Module: An Optical Module Does Not Send Light Signals

Procedure Use an optical power meter to test whether the transmit power of the optical module is normal. If not, replace the optical module.

May 22, 2026

Installing an Optical Module

The method used to install a copper transceiver module is the same, except that the copper transceiver module connects to a network cable instead of optical fibers. Never look directly into an optical

Nov 10, 2025

Huawei OptiX PTN 7900E-12 Routers Support Guide, Manuals & PDF

PTN 7900 Series OptiX PTN 7900E-12: Access product manuals, HedEx documents, product images and visio stencils.

Nov 17, 2025

How To Read Optical Module Information On Huawei Switches

The following uses the Moduletek SFP-10G-LR module connected to a Huawei S6700 switch as an example to introduce how to read information of the connected optical module on a

Oct 06, 2025

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

Aug 16, 2025

Introduction of Optical Modules on Huawei Switches

Introduction of Optical Modules on Huawei Switches On an optical network, a sender needs to convert electrical signals into optical signals before sending them to a

Feb 13, 2026

Troubleshooting Optical Module Issues

Troubleshooting Optical Module Issues Symptom An optical port cannot go Up. The optical module cannot be properly identified and optical module information cannot be obtained. After

Apr 23, 2026

8 Pluggable Modules for Interfaces

The SFP-FE-SX-MM1310 (part number: 02315233) is a Huawei-certified 100M optical module. However, the Vendor Name field displays the original manufacturer name, instead of HUAWEI. For copper

Dec 18, 2025

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

Aug 15, 2025

Optical Module Solutions for Huawei S5700/S5720 Series Switches

When using switches, we may encounter many confusions, such as what types of optical modules are needed for different models of Huawei switches, and how to resolve issues encountered

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Displaying Optical Module Information

Obtain the electronic label of the optical module and contact Huawei technical support personnel to confirm whether it is a Huawei-certified switch optical module.

Jul 10, 2025

HUAWEI SFP+ 850nm 120m 6.1440G MM optical module

HUAWEI SFP+ 850nm 120m 6.1440G MM SFP is a small form-factor pluggable module and eSFP is an enhanced small form-factor pluggable module. There is no difference between their major functions

Sep 06, 2025

Huawei Optical Module Common Models

100G QSFP28 Optical Module. The maximum power consumption of a QSFP DD (Quad Small Form-factor Pluggable Double Density) transceiver can vary depending on the specific model and

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### Optical Modules for Huawei S Series Switches

In the display transceiver command output, the Vendor Name field displays HUAWEI. The SFP-FE-SX-MM1310 (part number: 02315233) is a Huawei-certified 100M optical module. However, the Vendor

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### Optical Interface Interconnection Is Abnormal on CE Switches ...

Possible Causes The optical module model does not match. The transmit or receive optical power of an optical module is not within the normal range. The optical module and optical

Dec 29, 2025

### How Can I Interpret the Name of an Optical Module?

Understanding naming conventions of an optical module help you obtain all information contained in the optical module's name. This section uses general naming conventions as an example.

Jul 04, 2025

### Optical Modules in General-Purpose Computing Scenarios

Huawei offers a comprehensive portfolio of pluggable StarryLink optical modules for data center networks, with various models providing flexible plug-and-play solutions tailored to diverse interface

Jul 14, 2025

### Troubleshooting for Optical Modules on Huawei Switch

When this optical module uses OM3 multimode optical fibers, its transmission distance is 0.3 km. The optical modules used on both ends must have the same

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### Types of Optical Modules

An eSFP module is an SFP module that supports monitoring of voltage, temperature, bias current, transmit optical power, and receive optical power. Therefore, eSFP is also called SFP sometimes.

Jul 07, 2025

## What Can I Do If a Message Is Displayed Indicating that an Optical ...

This field indicates whether the rate of the optical module installed on the port matches the port rate. For example, if a non-XGE optical module is installed on an XGE port, the rate of the optical module

Apr 28, 2026

## StarryLink Optical Module

Huawei's StarryLink optical modules for data center networks offer seamless interconnection from GE to 800GE across all scenarios, delivering customers an ultra-reliable, long-distance, and highly secure

Jun 27, 2025

## QSFP-DD-400G-SR4 Optical Transceiver 1. Summary

The Huawei QSFP-DD-400G-SR4 optical transceiver module represents a critical leap forward in short-range network solutions, delivering unprecedented bandwidth over multi-mode fiber

May 10, 2026

## 10 Gbit/s SFP+ Optical Module

You can use different levels of 10 Gbit/s SFP+ optical modules only with 10 GE interfaces. The wavelength of these 10 Gbit/s SFP+ optical modules can be 850 nm, 1310 nm, or

Jan 19, 2026

## Understanding Pluggable Optical Modules

Therefore, when using such optical modules, select optical fibers of an appropriate length to ensure that the actual receive power is smaller than the overload power. If the optical fibers connected to a long

May 19, 2026

## Replacing an Optical Module

The device must use optical modules recommended on the configurator because non-Huawei-certified optical modules cannot ensure transmission reliability and may affect service stability. Huawei is not

Aug 26, 2025

## What Is an Optical Module and Its FAQs (V200)

As an important part of fiber-optic communication, an optical module is a photoelectric converter which converts electrical signals into optical signals and vice versa. An optical module works at the physical

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### Optical Module Troubleshooting

Interfaces that use optical modules that are not certified for Huawei data center switches may be unable to go Up. If an optical module that is not certified for Huawei data center switches is used, replace it

Sep 23, 2025

### Optical Modules in Intelligent Computing Scenarios

In the AI era, Huawei provides a full range of GE to 800GE optical modules, featuring three major capabilities: Spanning (ultra-long transmission), Stable (ultra-high reliability), and Secure (ultra-solid

## Contact Us

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