

Huawei Switch SC Optical Module



Article Overview

Huawei SC optical modules are certified transceivers designed for reliable connectivity on Huawei switches, supporting both single-mode and multi-mode fibers with strict certification for compatibility and performance.

Overview

Huawei SC optical modules are pluggable transceivers used in S Series switches to enable fiber-optic connectivity. They come in single-mode (SM) and multi-mode (MM) variants and are designed to match the switch interface speed, such as 1G, 10G, 40G, or 100G, depending on the module type and switch model. These modules are essential for high-speed data transmission and network stability.

Certification and Compatibility

Huawei requires that only Huawei-certified optical modules be used with their switches. Non-certified modules may cause link instability, frequent up/down port states, or transmission failures, and Huawei does not provide support for issues caused by non-certified modules. Certified modules can be identified by:

- A label containing "HUAWEI"
- Display commands on the switch showing Vendor Name as HUAWEI
- Manufactured date later than 2016-01-01 for modules certified after that date
- Switch software version V200R008 or later

Types and Usage...

Article Content

Oct 21, 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

Jul 04, 2026

Troubleshooting for Optical Modules on Huawei Switch

Troubleshooting for Optical Modules on Huawei Switch Many friends feedback that one problems occurred when using optical

Dec 13, 2025

FAQs About Optical Modules

For details about the optical modules supported by optical ports on switches, see "Appearance and Structure" of a specific switch

Mar 23, 2026

StarryLink Optical Module

Huawei's StarryLink optical modules for data center networks offer seamless interconnection from GE to 800GE across all scenarios,

Jun 07, 2026

01-11 PLUGGABLE MODULES FOR INTERFACES

A switch must use optical or copper modules that have been certified for use on Huawei S switches. Non-certified optical or copper

Sep 11, 2025

What Is an Optical Module and Its FAQs (V200)

Describes what an optical module is and FAQs, including the fundamentals, appearance and structure, key performance counters,

Dec 04, 2025

10GE SFP+ Optical Modules

This document provides an overall description of the CE12800 series switches hardware, helping you obtain detailed information

Nov 06, 2025

Installing an Optical Module

Install an optical module, and then connect optical fibers to the optical module. Do not insert an optical module with optical fibers to

Dec 29, 2025

Typical Troubleshooting Cases of Optical Module

Procedure Check whether the optical modules are Huawei-certified ones. If not, contact the supplier of the optical modules. If

May 09, 2026

Huawei Unveils StarryLink Optical Modules That Deliver Ultimate

BARCELONA, Spain, March 6, 2025 /PRNewswire/ -- At the Mobile World Congress 2025 (MWC 2025), Huawei launched the

Apr 10, 2026

Optical Module Solutions for Huawei S5700/S5720 Series Switches

This article summarizes several solutions for using optical modules with switches and common problems encountered

Nov 04, 2025

How to View Optical Module Parameters

Using a Command If an optical module is installed in a running device, you can run the display transceiver command

Jun 29, 2026

Optical Modules for Huawei S Series Switches

To determine whether optical modules delivered for Huawei switches before July 1, 2013 are certified ones, contact Huawei technical

Jan 11, 2026

Optical Module Installation and Replacement

Context This section describes how to install an optical module. The method used to install a copper transceiver module is the same,

Sep 01, 2025

Optical Fiber

AOC An active optical cable (AOC) is a fixed-length optical fiber with optical modules at both ends. It can be directly connected to an

Apr 07, 2026

Optical Module Troubleshooting

If there is a Huawei logo on the label, the optical module has been certified for Huawei data center switches. If not,

Sep 30, 2025

Compatibility Finder | Compatible Optical Transceivers | OptiModule

Use the OptiModule Compatibility Finder to search Cisco, Juniper, Arista, Dell, Huawei and HPE compatible optical transceivers.

Apr 03, 2026

Installing an Optical Module

A switch must use optical or copper modules that have been certified for use on Huawei S switches. Non-certified optical or copper

Mar 05, 2026

Optical Module Installation and Replacement

Use optical modules certified for Huawei switches. Using other optical modules may affect service stability and Huawei can accept no

Jun 29, 2026

What Is an Optical Module

An optical module is a device for converting electrical signals to optical signals and vice versa, widely used in telecommunications

May 16, 2026

Types of Optical Modules

Huawei S series devices support optical modules of the following encapsulation types: CFP, QSFP+, QSFP28, XFP, SFP, eSFP,

Jan 06, 2026

Replacing an Optical Module

A switch must use optical or copper modules that have been certified for use on Huawei S switches. Non-certified optical or copper

Dec 13, 2025

Huawei Optisches Modul Teilenummerndecoder – Offizielle

ZUSAMMENFASSUNG: Dieses Dokument bietet einen umfassenden technischen Überblick über den Huawei Optical Module Part

Apr 18, 2026

Understanding Optical Modules

100GE QSFP28 Optical Modules Understanding Optical Modules What Is an Optical Module Types of Optical Modules Parameter

Nov 27, 2025

Displaying Optical Module Information

A switch must use optical or copper modules that have been certified for use on Huawei switches. Non-certified optical or copper

Nov 30, 2025

Introduction of Optical Modules on Huawei Switches

When Huawei switches are connected to other products such as routers, comply with the preceding optical module interoperation

Sep 19, 2025

Understanding Optical Modules

Important Notes About Using Optical Modules Certified for Huawei Switches Understanding Optical Modules What Is

Aug 26, 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

Jun 30, 2026

How To View Optical Transceiver Information On Huawei Switches

Optical transceivers are widely applied in switches, network cards, routers and other communication devices.

Aug 16, 2025

How to Identify Huawei-Certified Switch Optical Modules

A switch must use optical or copper modules that have been certified for use on Huawei S switches. Non-certified optical

Sep 01, 2025

Checking the Optical Module Type

When certifying an optical module, Huawei switches comprehensively verify optical module functions to ensure the optical module

May 25, 2026

What Is an Optical Module

On an optical network, a sender needs to convert electrical signals into optical signals before sending them to a receiver, and the

Mar 21, 2026

Huawei Switches Viewing Optical Port Receiving and Sending

Use the command display transceiver to view the optical module information of all optical ports, and use the command

Contact Us

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