

Huawei Switch Third-Party Optical Module



AI Overview

Huawei switches can technically use third-party optical modules, but only Huawei-certified modules are guaranteed for reliability and support.

Third-Party Optical Modules Overview

Third-party optical modules are transceivers manufactured by independent vendors rather than the original equipment manufacturer (OEM). They perform the same function as Huawei modules—converting electrical signals to optical signals and vice versa—but are generally lower in cost while following the same technical standards (MSA-compliant) for form factor and interface . High-quality third-party modules are widely used in enterprise and data center networks and are considered safe if sourced from reputable suppliers .

Huawei's Compatibility and Certification Policy

Huawei devices, including the S5735-S series switches, support optical modules that meet the MSA standard, which allows third-party modules to physically fit. However, form-factor compatibility does not guarantee full operational reliability. Huawei explicitly states that only certified modules are guaranteed to work reliably on their switches, and non-certified modules may cause link failures, performance degradation, or service instability . Huawei will not provide technical support for issues caused by non-certified modules . Certification for Huawei optical modules began in 2013 for 10GE and lower-speed modules and in 2016 for 40GE and 100GE...

Article Content

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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

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Types of Optical Modules

Huawei S series devices support optical modules of the following encapsulation types: CFP, CFP2, QSFP+, QSFP28, XFP, SFP,

Aug 09, 2025

Optical Interface FAQ: Transceiver Compatibility Guidelines for

Overview & Thematic Scope This FAQ addresses one of the most critical operational decisions for network engineers managing

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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

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StarryLink Optical Module

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

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Types of Optical Modules

Wavelength division multiplexing modules differ from other optical modules in center wavelengths. A common optical module has a

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What Are Third-Party Optical Modules? (Complete 2026 Guide)

What are third-party optical modules? Learn how compatible transceivers work, whether they are safe, and how to save up to 70%

Feb 07, 2026

Troubleshooting for Optical Modules on Huawei Switch

Many friends feedback that one problems occurred when using optical modules on switches, now we are providing the

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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

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FAQs About Optical Modules

Are Optical Modules of Huawei Switches Interchangeable with Optical Modules of Other Manufacturers? No. Huawei S switches

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Optical Modules for Huawei S Series Switches

Are Optical Modules of Huawei Switches Interchangeable with Optical Modules of Other Manufacturers? No. Huawei switches must

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Understanding Optical Modules

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

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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

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Huawei Compatibility Matrix for Transceivers and Cables

Optech offers high quality transceivers and cables solutions 100% compatible with Huawei. All products are tested on

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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

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How To Enable Support For Third-Party Modules On Arista Switches

By default, Arista switches authenticate inserted optical modules. If a module is verified as non-Arista original, the

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Optical Module Solutions for Huawei S5700/S5720 Series Switches

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

Oct 25, 2025

Huawei S5735-S48T4X SFP Compatibility Guide | Module Types

Learn which SFP and SFP+ modules work with the Huawei S5735-S48T4X, how third-party optics compare to original parts, and

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Risks of Using Non-Huawei-Certified Switch Optical Modules

Some non-Huawei-certified switch optical modules are not designed in compliance with EMC standards and have low

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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

Aug 09, 2025

Optical Module Troubleshooting

The optical module installed on the optical interface is not certified for Huawei data center switches. The optical module type does

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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

Nov 04, 2025

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

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Types of Optical Modules

This document provides an overall description of the CE5800& 6800& 7800& 8800 series switches hardware that versions earlier than

Oct 05, 2025

How Huawei CE & S Series Switches Handle Non-Certified Optical

In past projects and testing experience, it was commonly believed that Huawei CE series switches would not generate alarms when

Dec 31, 2025

How To Turn Off Alarms For Third-Party Modules On Huawei Switches

Huawei switches perform authentication on inserted optical modules. By default, numerous alarm messages will be

Jul 05, 2026

Huawei Compatible Transceivers | EDGE Optical Solutions

We are a supplier of compatible Huawei optical transceiver products that are built to meet reliability and performance requirements.

May 21, 2026

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

Contact Us

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

Website: <https://ntmmgroup.co.za>

Email: sales@ntmmgroup.co.za

Phone: +27 82 471 2596

Address: Unit 7, Optic Park, 24 High-Tech Lane, Century City, Cape Town,
7441, South Africa

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