

Does Huawei optical module support Cisco



AI Overview

Huawei optical modules are generally not directly compatible with Cisco devices due to vendor-specific coding and encryption, though some third-party or specially designed modules may work. Direct Compatibility Limitations Cisco officially does not support third-party optics, including Huawei modules, on its switches and routers. Using non-Cisco optics may result in the device rejecting the module or limited functionality, as Cisco requires optics coded for their devices and tested for compatibility. Huawei modules, especially newer encrypted models, are designed primarily for Huawei switches and may not interoperate with Cisco hardware. Third-Party and Vendor-Specific Solutions Some Huawei SFP, SFP+, and QSFP modules are marketed as compatible with multiple vendors, including Cisco, Juniper, H3C, and Arista. These modules comply with the SFP Multi-Source Agreement (MSA) standards and support standard wavelengths and interfaces (LC, SC, FC), which can allow them to function in Cisco devices if properly tested. However, compatibility is not guaranteed, and performance or support may vary. Best Practices Check certification: Only use modules certified for the specific switch or router model. Huawei-certified modules are labeled with "HUAWEI" and verified via commands like `display transceiver`. Use tested third-party modules: Vendors like Network-Switch.com offer modules tested for both Huawei and Cisco devices, ensuring safe operation. Avoid mixing encrypted modules: Some Huawei switches use encryption that prevents cross-vendor compatibility, so modules that work on older devices may fail on newer ones. Consider warranty and support: Using non-Cisco optics in Cisco devices may void support agreements, so ensure you understand the implications before deployment. Conclusion While some Huawei optical modules can work in Cisco devices...

Article Content

100GBASE QSFP-100G Modules Data Sheet

QSFP-100G Optical modules Features and benefits of Cisco QSFP modules Hot-swappable input/output device that plugs into a 100G Gigabit

QSFP-DD Optical Transceivers for High-Speed Connections

Cisco's comprehensive portfolio of QSFP-DD modules support 400G and 800G data rates across copper, multimode fiber, and single-mode fiber, and are optimized for a broad range of

The Ultimate Guide to SFP Modules (2026): Types, Speeds

Confused by SFP vs SFP+? Read the definitive 2026 guide on SFP modules. We explain Single Mode vs Multimode, DDM diagnostics, and how to choose the right transceiver for Cisco, Juniper, and more.

What Is an Optical Module and Its FAQs (V200)

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, common types,

Optical Interface FAQ: Transceiver Compatibility Guidelines for Cisco ...

Overview & Thematic ScopeWelcome to our technical support FAQ, specifically designed to address the most critical pre-sales and post-sales questions regarding optical transceiver compatibility with Cisco

Compatibility between cisco and huawei | SNBForums

We have purchased 7 units Huawei access switches, S2700-26TP-EI-AC & 1310 SFP modules from internet now we plan to add a aggregation switches, for this part, we want to use Cisco

Cisco Optics-to-Device Compatibility Matrix Results

ASR 1001-X supports the above mentioned SFPs from 3.12.0S or "Minimum Software Release Required" whichever latest.

Optics Interoperability Matrix

Cisco does not support third party optics. For the guideline on third party components, see Section 6 of Cisco's Non-Entitlement Policy.

Cisco 400G QSFP Transceiver Modules Data Sheet

High-bandwidth transceiver modules based on the QSFP112 form factor, targeting NICs used in data centers, high-performance computing

Optical Module Installation and Replacement

Do not touch the edge connector of an optical module during the installation. Install an optical module on a port before connecting optical fibers to the transceiver module. Install dust plugs on idle optical ports.

Optical Components

Provides corporate revenue market share by end-market segment as well as the detailed market size for select optical components.

Typical Troubleshooting Cases of Optical Module

An Optical Module Has Normal Transmit Power but Many Packets Are Dropped on the Port Due to Bit Errors Use an optical power meter to check whether the receive power of the optical module is in the

Cisco 10GBASE SFP+ Modules Data Sheet

Cisco SFP-10G-SR-S module (S-Class) The Cisco 10GBASE-SR module supports a link length of 26 meters on standard Fiber Distributed Data Interface (FDDI)-grade Multimode Fiber (MMF). Using

Huawei Compatible SFP Module 1G-100G for Cisco/Juniper/H3C

High-performance Huawei SFP Module compatible with Cisco, Juniper, H3C, Finisar, and Arista. Supports 1G-100G speeds, single/multi-mode fiber, and wide temperature range (-40°C~85°C). Ideal

Compatibility between cisco and huawei | SNBForums

Cisco equipment can sometimes have interoperability issues with non-Cisco devices when using the default Cisco interface configuration. Adding "speed nonegotiate" to the interface usually

Compatibility Analysis Of Optical Modules: Covering Global

ETU- LINK optical modules are compatible with major brands such as Huawei, H3C, Ruijie, Cisco, Juniper, ZTE, HP, Arista, Aruba, Alcatel-Lucent, VOLKTEK, etc., covering multiple

Cisco Optics-to-Device Compatibility Matrix

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iMaster NCE-Campus V300R025C00 Product Overview

Scenario where NCE-Campus replaces the Cisco DNA SD-Access solution, NCE-Campus interconnects with ISE through pxGrid to read security groups and online users from ISE, converts the obtained

Optical Modules for Huawei S Series Switches

To determine whether optical modules delivered for Huawei switches before January 1, 2016 are certified ones, contact Huawei technical support. If your optical modules are delivered after January

Optical Modules Market Research Report 2034

The leading companies in the global optical modules market include Cisco Systems (through its Acacia Communications subsidiary), Lumentum Holdings, Coherent Corp. (formerly II-VI Incorporated),

Is there a module which can be compatible with Huawei and Cisco

The answer is no. At the beginning, Huawei optical transceivers are not encrypted, so a third-party module can be compatible with both Huawei and Cisco switches. However, some Huawei switches

400G vs 800G Optical Modules: Differences, Use Cases, and

Support different reaches: short-reach (within rack/row), medium-reach (between rows), long-haul (DCI, telecom). 400G and 800G modules are typically in form factors like QSFP-DD and

Cisco SFP vs GBIC vs XFP vs SFP+: The Practical Optical

This guide provides a clear, practical comparison among the most common transceiver types - GBIC, SFP, XFP, and SFP+ - to help you make informed procurement decisions. At Network

Why 1.6T Optical Transceivers Overtake 800G in 2026 AI Clusters?

How Does Silicon Photonics Technology Reduce 1.6T Transceiver Power Consumption Below 800G? Silicon Photonics (SiPh) captures 72% of the 1.6T transceiver market because it integrates optical

Optical Interface FAQ: Transceiver Compatibility Guidelines for Cisco ...

Yes, our optical transceivers are engineered to be 100% functionally compatible with both Cisco and Huawei equipment. They adhere strictly to MSA standards, ensuring physical ...

Ethernet Switch Port Types Explained 2026: RJ45,

Vendor security checks (Cisco/Huawei/Juniper coded cables) Even if electrically functional, non-coded cables may be administratively disabled. Q9: Why can that

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