

Does COSCO Telecom s optical modules work in Huawei products



Article Overview

COSCO Telecom optical modules may work in Huawei devices, but compatibility is not guaranteed due to potential encryption and device-specific restrictions.

Key Considerations

Huawei Optical Modules: Huawei devices support a variety of optical module types, including SFP, eSFP, SFP+, XFP, SFP28, QSFP+, QSFP28, and CFP, each with specific physical and electrical standards. Huawei modules are designed to ensure full functionality, including monitoring of voltage, temperature, and optical power for eSFP modules.

Third-Party Module Compatibility: Initially, Huawei optical transceivers were not encrypted, allowing some third-party modules to function in Huawei switches. However, many modern Huawei switches implement encryption mechanisms that prevent non-Huawei modules from being recognized or fully functional. This means that while COSCO Telecom modules might physically fit and transmit data, certain features like monitoring or error reporting may not work, and some devices may reject the module entirely.

Interoperability Tips: In cases where third-party modules are used, compatibility depends on matching the optical type, wavelength, and interface standard. For example, a 10G SFP+ module from COSCO Telecom may work in a Huawei SFP+ port if the module meets the same specifications. Users may need to adjust configurations such as disabling autonegotiation or ensuring speed settings match on both ends. However, full feature support (like advanced diagnostics) may remain limited.

Recommendation: To ensure reliable operation and avoid potential network issues, it is generally recommended to use Huawei-certified modules.

Article Content

Mar 22, 2026

Does the Huawei S2700/3700/5700/6700/7700 Support the Optical

Introduce a fact: The Huawei S2700/3700/5700/6700/7700 support the Optical Modules of other vendors, learn more about Huawei

Oct 31, 2025

Optical Interface FAQ: Transceiver Compatibility Guidelines for

Q1: Can I use third-party optical modules in Huawei OSN equipment? Yes, physically they can often be inserted, but Huawei strongly

Oct 02, 2025

Huawei PON SFP Modules | GPON XG-PON XGS-PON & 50G-PON

These modules support transmission distances up to 60 km, provide excellent optical budgets, and are optimized for

Jan 25, 2026

How Do I Select Optical Modules and Fibers?

An optical module works in full-duplex mode with a pair of optical fibers, one for transmission and one for receiving, as shown in the

Feb 23, 2026

Important Notes About Using Optical Modules Certified for Huawei ...

100GE QSFP28 Optical Modules Important Notes About Using Optical Modules Certified for Huawei Switches How to Identify

Dec 01, 2025

Understanding Optical Modules

Output optical power of an optical module when it is working properly. When two optical modules are connected, the transmit optical

Jul 27, 2026

Future All-optical Network Architecture and Key Technologies

Evolving towards the 2030 optical communications network system and architecture is a key issue facing the optical communications

Jan 02, 2026

Cisco Optics | Transform Your Network

Cisco optics are foundational to AI data centers. They deliver performance, efficiency, and reliability for AI workloads that maximize

Nov 11, 2025

Huawei Unveils StarryLink Optical Modules That ...

At MWC Barcelona 2025, Huawei introduced the StarryLink optical modules, aimed at creating a network experience

Feb 14, 2026

Types of Optical Modules

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

Feb 21, 2026

Understanding Optical Modules

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

Sep 30, 2025

Pluggables, Power, and Geopolitics: Mapping the 800G and 1.6T Optical ...

Pluggables, Power, and Geopolitics: Mapping the 800G and 1.6T Optical Transceiver Battle How AI Demand Is

Dec 02, 2025

Understanding Pluggable Optical Modules

The following lists some common optical modules, which may not be supported by this product. The figures are for reference only.

Jun 15, 2026

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

Sep 08, 2025

Optical Modules: The Backbone of Next-Generation Telecom Networks

Optical modules enable high-speed, low-latency links across 5G fronthaul, midhaul, and backhaul. Learn how

Apr 03, 2026

Implementation Agreement for a 3.2Tb/s Co-Packaged (CPO) Module

ABSTRACT: This Implementation Agreement specifies key aspects and electro-optical-mechanical details of a

Jun 28, 2026

Optical Transmission

Application Scenarios Industry Optical Communication Network Huawei's Industry Optical Communication Network uses the latest

Jul 31, 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

Dec 22, 2025

Optical Transceiver Compatibility in Multi-Vendor Networks

A practical guide for system integrators and telecom operators managing optical transceiver compatibility across

Jun 30, 2026

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

Feb 08, 2026

Intelligent OptiX Network | OptiX | All-Optical Networking

Huawei's intelligent OptiX network strategy aims to build intelligent, simplified, ultra-broadband, and ubiquitous next generation all

May 11, 2026

Cisco Optics-to-Device Compatibility Matrix

Learn how our customers are transforming their workspaces with Cisco Collaboration. From core, to edge, to cloud, bridge the clouds

Jun 20, 2026

Optical Modules in General-Purpose Computing Scenarios

Huawei offers a comprehensive portfolio of pluggable StarryLink optical modules for data center networks, with various models

Sep 29, 2025

What Is an Optical Module and Its FAQs (V200)

You can identify a Huawei-certified optical module by checking the label attached on the optical module. If the label has a Huawei

Mar 28, 2026

Co-packaged optics (CPO): status, challenges, and solutions

Conventional pluggable optics cannot catch up with the fast-growing bandwidth density and energy efficiency

Apr 08, 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

Jan 07, 2026

Where are COSCO Telecom optical modules used

100G optical modules are widely used in cloud data center construction due to their high bandwidth and low latency, providing high

May 27, 2026

Optical Components

Optical Components Report Report Overview: Provides quarterly corporate revenue market share by end-market

Nov 17, 2025

COSCO SHIPPING Lines

As the main container service provider worldwide, COSCO Shipping Lines helps you explore more business opportunities with its

Feb 04, 2026

Compatibility Finder | Compatible Optical Transceivers | OptiModule

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

Jul 18, 2026

Optical Modules in Intelligent Computing Scenarios

Huawei provides a full series of pluggable optical modules. A wide variety of modules give you flexible plug-and-play options for all

Mar 26, 2026

Installing an Optical Module

Installing an Optical Module Context This section describes how to install an optical module. The method used to install a copper

Feb 09, 2026

Optical Transmission Network-Green All-Optical Network

Optical Transmission Network— Green All-Optical Network All-optical connectivity is becoming the foundation of the future digital

Aug 18, 2025

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,

Aug 06, 2025

WDM & OTN

According to Cignal, a well-known consulting firm in the telecom industry, Huawei continuously ranks No. 1 in the global optical

Contact Us

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

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

Email: sales@greatpremiersolutions.co.za

Phone: +27 82 914 3675

Address: Unit 5, Silicon Heights, 22 Electron Avenue, Cape Town, 8001, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

