

Huawei switch converted to optical port



Article Overview

Huawei switch ports can be converted to optical ports by using certified SFP/QSFP modules, enabling optical mode on combo interfaces, and configuring interface breakout if needed.

Using Combo Interfaces

Many Huawei switches feature Combo interfaces, which support both electrical and optical connections but only one mode can be active at a time. To switch a combo port to optical mode:

- Enter system view on the switch.
- Access the interface configuration mode for the desired port.
- Execute the command `combo enable fiber` to activate the optical interface. To revert to electrical mode, use `undo combo enable fiber`.
- Ensure the same configuration is applied on the peer device.
- Insert a compatible GE SFP optical module into the port; the module will now operate normally .

Ensuring Optical Module Compatibility

- Use Huawei-certified optical modules to ensure transmission reliability and service stability. Non-certified modules may cause connectivity issues .
- Match the fiber type (single-mode or multimode) with the optical module.
- Ensure the module's data rate matches the interface (e.g., do not use a 10G module on a 1G port).
- Check the module's wavelength, received, and transmitted optical power using co...

Article Content

Nov 09, 2025

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

Feb 04, 2026

Connecting Optical Fibers and Ethernet Cables

Connecting Optical Fibers The device can transmit upstream data over optical fibers. Optical fiber connectors (also called optical

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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

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Typical Troubleshooting Cases of Optical Module

(For details about the commands for querying port information, see the command reference of a specific switch model.) Use an

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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

Apr 29, 2026

Port: Optical Ports on the AC Cannot Go Up

Use an optical fiber to perform a loopback test on the Huawei device. If the link goes Up, the Huawei device is working properly, and

Sep 08, 2025

Huawei Hybrid Cable Terminal Boxes Quick Start Guide

Overview ES5MFMT00001 is a 24-port hybrid cable terminal box, which offers 24 empty ports but no PDLC optical-electrical

Jan 26, 2026

Installing Optical Module Tutorial For HUAWEI Switch

Module installation is an important factor affecting the service life of switches and modules. In the installation process, be sure to

Mar 23, 2026

Ethernet Interface Configuration Commands

This page provides configuration commands for Ethernet interfaces on Huawei devices, covering settings like duplex mode and auto

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Installing an Optical Module

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

Jan 10, 2026

Huawei S5735-S48T4X SFP Compatibility Guide

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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Troubleshooting for Optical Modules on Huawei Switch

If the transmit power remains low, replace the optical module or install it in another optical port to check whether it is faulty. If the

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Installing Optical Transceivers and Connecting Optical Fibers

Installing Optical Transceivers and Connecting Optical Fibers This section describes how to install optical transceivers on the SFP or

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How To Switch Optical/Electrical Mode On Huawei Router Combo Ports

This article takes the Huawei AR5710S-S8T2X router as an example to explain how to switch the optical and

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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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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

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CloudEngine S5732-H Series Hybrid Optical-Electrical Switches

CloudEngine S5732-H Series Hybrid Optical-Electrical Switches CloudEngine S5732-H series hybrid optical-electrical switches are

Aug 21, 2025

ES5D21G16S00 (16-Port GE SFP Front Optical Interface Card)

Card Overview The ES5D21G16S00 provides sixteen GE SFP optical ports for data access and line-rate switching. The

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FAQs About Optical Modules

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

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Checking the Optical Module Type

For the Huawei-certified optical modules, Huawei has added Huawei logo and identifier and changed the vendor information in 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

May 12, 2026

Optical Interface FAQ: Transceiver Compatibility Guidelines for

Q7: What is the optical module interoperability standard for different Huawei products? Broad interoperability between Huawei

Jun 05, 2026

How To View Optical Transceiver Information On Huawei Switches

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

Apr 20, 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

Apr 19, 2026

Configuring Attributes for an Optical Interface

Converted interfaces go Up after the switch restarts and the configurations delivered when the split interface is in Offline state take

Contact Us

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