

Installing optical modules on Huawei switches



Article Overview

To add an optical module to a Huawei switch, ensure compatibility, follow ESD precautions, correctly orient the module, and gently insert it into the designated port before connecting optical fibers.

Preparation and Safety

Before installation, wear an ESD wrist strap or gloves to prevent electrostatic damage to the module, ensuring the strap is properly grounded and in close contact with your wrist . Keep dust plugs on idle ports and remove them only when ready to connect fibers. Never look directly into the optical module or fiber ends, as they emit laser radiation that can cause eye damage .

Installation Steps

- **Check Compatibility:** Use only Huawei-certified optical modules. Ensure the module matches the switch port speed, wavelength, and type (single-mode or multi-mode) to avoid service instability .
- **Orient the Module:** Hold the module with the gold connector facing down and align it with the port. If it does not insert easily, rotate 180 degrees and try again .
- **Insert the Module:** Gently push the module into the port until you hear a click. Verify it is securely seated by gently pulling on the sides; it should not come out .
- **Connect Optical Fibers:** Only after the module is installed, remove the fiber dust caps and connect the fibers carefully. Record fiber labels to maintain correct connections

Article Content

Apr 27, 2026

01-07 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

Dec 24, 2025

Installing an Optical Module

Install an optical module on a port before connecting optical fibers to the transceiver module. Install dust plugs on idle optical ports. If

Oct 31, 2025

Optical Module Solutions for Huawei S5700/S5720 Series Switches

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

Jul 25, 2025

6.3.9 Installing Cables and Optical Modules. Huawei E9000

Step 2 Insert the optical module and optical cable into the 10GE or 8 Gbit/s FC optical port. 1. Determine the type and installation

Oct 19, 2025

Replacing an Optical Module

CloudEngine 16800 Series Switches Hardware Installation and Maintenance Guide (V300) This document details how to install

Jul 26, 2025

S210 Series Switches Installing an Optical Module

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

Apr 02, 2026

Installing Optical Module Tutorial For Huawei Switch

Browse technical articles and resources about fiber optic cables, optical transceivers, data center cabling, FTTH, and optical network

Feb 11, 2026

Installing optical module tutorial for HUAWEI switch

In the installation process, be sure to follow the installation steps mentioned above and pay attention to the details, so that your

Jun 24, 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

Sep 16, 2025

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

Feb 05, 2026

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

Oct 19, 2025

Installing Optical Modules

The device must use optical or copper modules recommended on the configurator because non-Huawei-certified optical or copper

Aug 05, 2025

Installing an Optical Module

Huawei-certified optical modules are strongly recommended because non-Huawei-certified optical modules cannot ensure

May 20, 2026

Installing an Optical Module

Installing an Optical Module Huawei-certified optical modules are strongly recommended because non-Huawei-certified optical

Aug 05, 2025

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,

Jul 29, 2025

Installing an Optical Module

This document details how to install CE6800& 8800& 9800 series switches. Hardware Installation and Use Precautions Installation

Jul 12, 2026

Installing an Optical Module

Installing an Optical Module Context Before the installation, take ESD protection measures, for example, wear an ESD wrist strap or

Sep 12, 2025

Introduction of Optical Modules on Huawei Switches

Check Optical Module Parameters: If an optical module is installed in a running switch, you can run the display transceiver command

Oct 01, 2025

Installing Optical Modules and Connecting Optical Fibers

This document describes hardware installation procedures of the S7700 and S9700 series switches, troubleshooting methods for

Aug 31, 2025

Replacing an Optical Module

Use optical modules certified for Huawei data center switches. Non-certified optical modules cannot ensure transmission reliability

May 15, 2026

Replacing an Optical Module

S7700 and S9700 Series Switches Hardware Installation and Maintenance Guide This document describes hardware installation

Contact Us

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