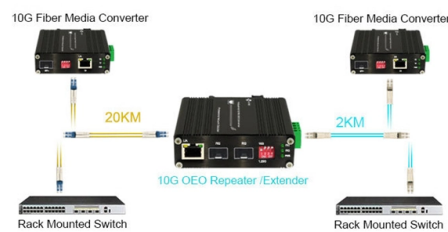


Can Huawei optical port modules be used and how



Article Overview

To enable a Huawei optical module port, first physically install the module correctly, then configure the port to optical mode using CLI commands.

Step 1: Physical Installation of the Optical Module

- Wear an ESD wrist strap or gloves to prevent static damage to the module and switch .
- Remove the dust plug from the optical port and keep it for future use .
- Insert the optical module into the port with the gold fingers facing down, ensuring it clicks into place. Do not force the module; if it does not fit, turn it over and try again .
- Verify installation by gently pulling the module. If it does not come out, it is installed correctly .
- Check fiber compatibility: Ensure single-mode fibers are used with single-mode modules and multimode fibers with multimode modules .

Step 2: Configure the Port to Optical Mode

Huawei combo ports default to electrical mode, so you must switch them to optical mode:

- For GE Combo Ports:• Enter interface view: system-view → interface
- Switch to optical mode: combo enable fiber
- To revert to electrical mode: undo combo enable fiber
- Apply the same configuration on the peer device

Article Content

Understanding Optical Modules

The transmit power of a long-distance optical module is often larger than its overload power. Therefore, when using such optical

Installing Optical Modules

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

Optical Fiber

Optical Fiber AOC An active optical cable (AOC) is a fixed-length optical fiber with optical modules at both ends. It can be directly

Installing Optical Transceivers and Connecting Optical Fibers ...

The USG supports both 1 Gbit/s optical modules. The optical modules at both ends are the same, including the optical fiber type

Installing an Optical Module

The method used to install a copper transceiver module is the same, except that the copper transceiver module connects to a

Types of Optical Modules

Multi-mode optical modules cannot be reliably used in scenarios where optical splitters are used because of the link budget in IEEE

FAQs About Optical Modules

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

Optical Interface FAQ: Transceiver Compatibility Guidelines for

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

Understanding Optical Modules

CFP is a new optical module standard that can be used in data communication and telecommunications fields. QSFP28: with the

Optical Fiber

The Huawei-developed optical modules of CE series switches support two types of optical connectors: lucent connectors or local

What Can I Do If a Message Is Displayed Indicating that an Optical ...

For details about the optical modules supported by a port, see "Pluggable Modules and Cables for Ports" in Stack Support. This

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

Installing an Optical Module

Before the installation, take ESD protection measures, for example, wear an ESD wrist strap or ESD gloves. Do not touch the edge

Types of Optical Modules

Multimode optical modules are used with multimode fibers. Multimode fibers have lower transmission performance than single-mode

Types of Optical Modules

CFP is a new optical module standard that can be used in data communication and telecommunications fields. QSFP28: with the

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

01-10 OPTICAL MODULES

10.1 Optical Modules Dedicated for Hybrid Cables 10.1.1 SFP-10G-iLR-S ... NO TE This optical module can be used together only

Replacing an Optical Module

A router must use Huawei-certified optical modules. Non-Huawei-certified optical modules cannot ensure transmission reliability and

Understanding Pluggable Optical Modules

Optical modules are available in various types to meet diversified requirements. Classified by transmission rates Currently, the

Optical/Electrical Modules

10 Gbit/s SFP+ Optical Modules 10 Gbit/s SFP+ optical modules apply to 10 GE optical ports. The wavelength can be 850 nm, 1310

Guide to Using Pluggable Modules

Guide to Using Pluggable Modules The system may fail to obtain information about non-Huawei-certified optical modules or obtain

Troubleshooting for Optical Modules on Huawei Switch

The type of optical modules used on the two ports is not restricted. For example, a port with an XFP optical module can communicate

Guide to Using Optical Modules

This document provides an overall description of the CE6800& 8800& 9800 series switches hardware that V300R020C00 and later

Contact Us

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