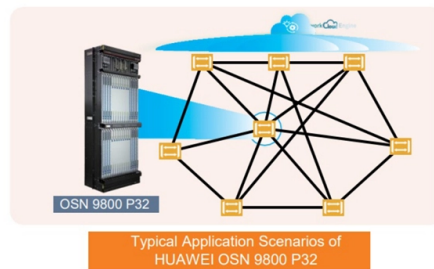


Huawei switch optical port inspection



Overview

This document describes how to check the switch interface or port status and how to locate an interface physically down fault and restore the interface to the up state.

Hardware failures: This section describes the insertion loss and reflection requirements of optical links and the method of checking the quality of optical links for the application of 50G optical modules with the PAM4 coding technology. To check if there are any packet errors and negotiation modes on ports, you can use the command display interface. During use, reading optical module information helps understand its real-time operating status, enabling faster troubleshooting of link abnormalities. Run the display transceiver [interface interface-type interface-number | slot slot-id], to view the information on.

Article Content

Jun 11, 2026

How To Read Optical Module Information On Huawei Switches

The following uses the Moduletek SFP-10G-LR module connected to a Huawei S6700 switch as an example to introduce how to read information of the connected optical module on a Huawei switch.

Apr 01, 2026

Troubleshooting for Optical Modules on Huawei Switch

When connecting switches through optical ports, pay attention to the following points: The optical modules used on both ends must have the same wavelength. The

May 13, 2026

Huawei enterprise switches

Huawei switches using non-certified optical module may not be able to read the information, can not guarantee the accuracy of the information read, recommend the use of Huawei certified optical

Nov 08, 2025

How to Know Optical Power SFP-Detail Link-Details & Port ...

Hello friends,Welcome to Technical HakimIn this tutorial, we will learn how to verify port type, speed, link status, port optical rx and tx optics power, sfp...

Sep 18, 2025

Huawei Optical Switch View Optical Module Commands

View the general, manufacturing, alarm, and diagnostic information of the specified port optical module. Table 1 Description of the output information of

Jan 28, 2026

Huawei NetTech TV

3. Eliminating Layer 2 Loops on S Series Switches 4. Troubleshooting a PoE Power Supply Failure on S Series Switches 5. Identifying a Huawei-Certified Optical Module on S Series Switches 6.

Nov 09, 2025

Huawei Optical Switch View Optical Module Commands

Taking the Huawei 5700 series switches as an example, the commands to view optical module information are as follows:

Nov 12, 2025

Inspecting Optical Fiber Connectors

Shut down the laser and disconnect the fiber end before inspecting the fiber connector. Test the optical power using a power meter to ensure that the laser is shut down. Use a fiber microscope to check

Jun 18, 2026

Disabling the Alarm Function for Optical Modules That Are Not

Context If optical modules that are not certified for Huawei data center switches are used on devices, the devices will generate a large number of alarms to prompt users to replace these

Jun 27, 2025

Inspecting the Optical Fiber Link

This section describes the insertion loss and reflection requirements of optical links and the method of checking the quality of optical links for the application of 50G optical modules with the PAM4 coding

Feb 01, 2026

Displaying Optical Module Information

To determine whether optical modules delivered for Huawei switches before July 1, 2013 are certified ones, contact Huawei technical support. If your optical modules are delivered after July 1, 2013, use

Aug 19, 2025

What are the common check commands for Huawei

In the daily maintenance of Huawei switches, we need to use various inspection commands. Today, let's take a look at the commonly used inspection

Aug 22, 2025

How to View Optical Module Parameters

Using a Command If an optical module is installed in a running device, you can run the display transceiver command to view parameters of the optical module, including the center wavelength,

Jan 12, 2026

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 signals before sending them to a

May 21, 2026

How to Identify Huawei-Certified Switch Optical Modules

A switch must use optical or copper modules that have been certified for use on Huawei S switches. Non-certified optical or copper modules cannot ensure transmission reliability and may

Feb 20, 2026

Checking the Interface Status and Configuration Parameters

If a message is displayed, indicating that the optical module is not in position, remove and then properly insert the optical module. If the auto-negotiation mode is used but the interface cannot go Up, set the

May 06, 2026

How To Check If Interconnected Optical Ports Cannot

If the problem is not caused by the optical modules, fibers, or intermediate device, connect the switch to another interface or replace the switch to check whether the

Jun 13, 2026

Displaying Optical Module Information

The system may fail to obtain information about non-Huawei-certified switch optical modules or obtain incorrect information. You are advised to use Huawei-certified switch optical modules. When a non

Aug 09, 2025

Troubleshooting S Series Switch Port and Interface Problems

Troubleshooting S Series Switch Port and Interface Problems This document describes how to check the switch interface or port status and how to locate an interface physically down fault and restore the

Jul 17, 2025

Troubleshooting S Series Switch Port and Interface Problems

When connecting two devices, check whether optical modules match optical interfaces, whether optical modules match fiber models, and whether optical modules and fibers are connected correctly.

Oct 25, 2025

Displaying Optical Module Information

What Is the Impact of Using Non-Huawei-Certified Switch Optical Modules? When certifying an optical module, Huawei comprehensively verifies the functions of the optical module to ensure the optical

Apr 17, 2026

HUAWEI S Series Switch-Identify a Huawei-Certified

HUAWEI S Series Switch-Identify a Huawei-Certified Optical Module Huawei Documentation Insights 31.9K subscribers Subscribe

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How Do I Check the Transmit and Receive Optical Power of an Optical ...

CloudEngine 16800, 9800, 8800, and 6800 Series Switches Troubleshooting Guide (V300) How Do I Check the Transmit and Receive Optical Power of an Optical Module? Run the display interface

Aug 07, 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 model in the Hardware Description. The following figure shows the

Jun 15, 2026

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 display transceiver interface interface-type interface-number to view the

Contact Us

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