

Huawei switch optical port connection failure



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: include hardware. Problem: All optical ports cannot be connected, and the indicator lights are not on. During use, reading optical module information helps understand its real-time operating status, enabling faster troubleshooting of link abnormalities. The following uses the. However, in actual deployment and operation and maintenance processes, optical link failures such as optical module docking failures and port Down often occur, which not only cause data transmission interruptions but may also affect business continuity. This article will elaborate on the core. If the fault is caused by incorrect configuration or networking environment, change the configuration or networking environment.



Article Content

Jan 23, 2026

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.

Mar 27, 2026

Typical Troubleshooting Cases of Optical Module

Check whether the information is consistent with the optical module specifications provided in the product documentation. (For details about the commands for querying port information, see the

Sep 14, 2025

Fibre Channel Link Failure

The optical fiber is improperly connected or faulty. The port rate of the storage device is different from that of its peer end. In a direct-connection network, the rate of the Fibre Channel front-end port on

Mar 10, 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.

Jan 05, 2026

Port: Optical Ports on the AC Cannot Go Up

Check the model and working mode (single-mode or multimode) of the optical modules on the connected devices. Use the patch cords accordingly. If the optical port still fails to go Up, replace the

Mar 13, 2026

Optical Module Solutions for Huawei S5700/S5720 Series Switches

Problem: All optical ports cannot be connected, and the indicator lights are not on.
Solution: To solve this problem, you can follow these steps: Check if the fiber and optical modules

May 16, 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 28, 2025

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

Nov 14, 2025

HUAWEI S Series Switch-Handle an Optical Interface's

HUAWEI S Series Switch-Handle an Optical Interface's Failure to Go Up video provides guidance on how to handle an optical interface's failure to go

Dec 07, 2025

port is disconnected due to optical module faulty

Use the idle optical module on the storage device to exchange with PO and check whether the fault is rectified. If the fault persists, it indicates that the optical module is not faulty.

Apr 11, 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.

Apr 08, 2026

OLT Fault

This page provides troubleshooting steps for resolving OLT faults that prevent GPON ONUs from going online.

Nov 24, 2025

port is disconnected due to optical module faulty

As per checked the log, it was found that the host port was disconnected, This alarm indicates the port and switch has been disconnected. Hence, we would advise you to perform cross

Dec 18, 2025

How To Check If Interconnected Optical Ports Cannot

When an uncertified optical module is installed into a switch, the switch reports an alarm. NOTE: When certifying an optical module, Huawei switches

Nov 09, 2025

Optical Module Troubleshooting

Optical Modules on the Local and Remote Devices Cannot Communicate Fault
Description A switch is connected to a remote device through optical interfaces and optical fibers. The two optical ports are

Nov 15, 2025

How Do I Check the Interface or Port Status?

Huawei S Series Campus Switches Troubleshooting Guide (V100 and V200) How Do I Check the Interface or Port Status? Checking Service Interface Indicators to Determine the Interface Status

Oct 21, 2025

S5700 Stack Fault Troubleshooting

S5700 Stack Fault Troubleshooting This document describes the troubleshooting flowchart and typical troubleshooting cases for a stack setup failure.

Jul 03, 2025

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 optical module is faulty, send it to ...

Jul 10, 2025

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

Jun 10, 2026

OLT Fault

Procedure Check for the possible causes on the OLT and troubleshoot the faults accordingly.

Feb 14, 2026

ECHOLIFE HG8121H QUICK START MANUAL Pdf

PON indicator is off: Check whether the OPTICAL port and optical fiber are properly connected. If the GPON terminal fails to register with the upper-layer device,

Jul 23, 2025

Typical Troubleshooting Cases of Optical Module

Check the configuration, such as auto-negotiation, of the remote port. Take corresponding troubleshooting measures based on the fault causes. If the optical module is not a Huawei-certified

Aug 08, 2025

Optical Link Failure Troubleshooting: Switch-to-Switch (SMF/MMF)

Learn how to troubleshoot optical link failures between network switches. Essential guide covers checking optical modules, single-mode (SMF) vs. multimode (MMF) fiber integrity, and common causes.

Aug 04, 2025

Common problems and solutions in the installation and

Problem and solution of lumen lamp not shining after installing light module Q1: The Optical transceiver and two pairs of multi-mode fiber jumper are

Jan 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

May 08, 2026

How Do I Troubleshoot a Stack Setup Failure?

How Do I Troubleshoot a Stack Setup Failure? Possible causes for a stack setup failure include incorrect configuration, faulty links. Perform the following operations to troubleshoot a stack

Feb 22, 2026

HUAWEI S Series Switch-Handle an Optical Interface's Failure to Go

How to Troubleshoot port failures for S Series Switches? Digital Electronics - The First Video YOU Should Watch CCNA Topics - Connect a Layer 3 Switch to the Internet

Jun 26, 2026

Optical Module Solutions for Huawei S5700/S5720 Series Switches

When using switches, we may encounter many confusions, such as what types of optical modules are needed for different models of Huawei switches, and how to resolve issues encountered

Nov 08, 2025

Huawei Core Switch

The Huawei core switch is built to handle high-density data traffic with advanced switching capabilities and modular scalability. It supports modern network demands through high-speed connectivity and

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