

# **Huijue optical FC port cannot recognize optical module**





## Overview

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If possible, remove and reinstall the optical modules to check whether the fault is rectified. The optical module cannot be properly identified and optical module information cannot be obtained. Based on typical issues encountered with optical modules in daily switch applications, this document summarizes basic troubleshooting steps for resolving common faults: 1.



## Huijue optical FC port cannot recognize optical module

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### **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.

### **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

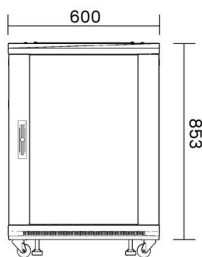


### **100G port interface between CE6870-24S6CQ-EI and USG6716E cannot**

You can replace the local interface, local optical module, optical fiber link (including the optical fiber, optical distribution frame, fiber splice point, optical splitter, and intermediate wavelength

### **Troubleshooting and Repairing Optical Transceiver Failures in**

SFP or SFP+ optical transceiver failure can happen in multiple recognizable ways. The most notable fault is the "module not detected" error, which describes a situation in which a switch

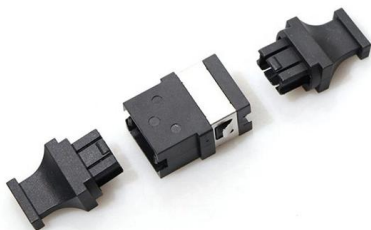


### How To Check If Interconnected Optical Ports Cannot

After such an optical module is installed in an optical interface, the neighbor interface cannot have an optical module installed because the non-certified optical module

### Sun Storage 16 Gb Fibre Channel PCIe Universal Host Bus

Universal HBA Overview This chapter provides a basic overview of Oracle's Sun Storage 16 Gb Fibre Channel (FC) PCIe Universal Host Bus Adapter (HBA), which is a low-profile, dual-port PCIe HBA



### Troubleshooting Optical Module Issues

Check whether the optical fiber matches the optical module. If not, replace the optical fiber with a matching one. Check whether the port is a combo port. If so, set the combo port to work



## Optical Module: Typical Optical Module Troubleshooting Procedure

Use an optical power meter to test the receive power of the port and check whether the optical fiber is disconnected. Use one optical fiber to form a loop on the port to check whether the port goes Up. If



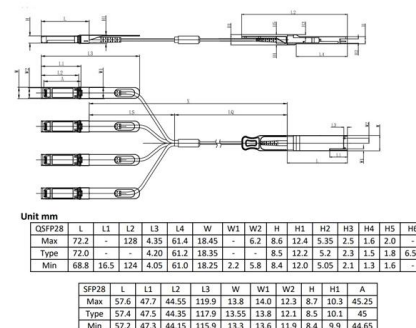
### Huawei enterprise switches

Some non-certified optical module problem in the design of the data bus, when using such an optical module, will lead to a corresponding device data bus abnormality, and the data is on the data bus



### When configure VTL, FC port mode configuration causes engine cannot

Customer did not purchase FC switcher, during configuration, connect VTL6000 engine to FC host port of S2600 through optical fiber. When configure host port at storage side, cannot



### How to Troubleshoot A Fiber Optic Transceiver?

How to troubleshoot a fiber optic transceiver? This article will focus on how to troubleshoot and resolve transmission, information reading, and hardware failures of the optical module.



## What Can I Do If an Optical Port Cannot Go Up After Being Connected

To enable the ports, run the set device port-config-mode 100g-port enable command. After 100GE0/0/0 and 100GE0/0/1 are enabled, 10GE optical ports XGigabitEthernet0/0/12 to XGigabitEthernet0/0/19



### Port: After an Optical Fiber Is Inserted into an Optical Port on the AC

If an optical module supporting a long transmission distance is used for short-range transmission, the optical interface cannot go Up because the transmit power is excessively high.

### Optical Module: The Device Cannot Display Any Optical Module

Services on the device are affected when the optical module is removed and inserted, or the device is restarted or upgraded. It is recommended that customer's permission be obtained



### Optical module common faults and solutions

In this article, we will focus on teaching you how to troubleshoot and solve the common three categories of optical module failure. First, the transmission class of the optical module fault





## 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



### Checking Whether Optical Module Types Match

For example, the transmission distance supported by OM1 optical fibers in the preceding command output is 150 m. If the actual transmission distance exceeds 150 m, use an optical fiber with a longer

### Checking Whether the Optical Module Type is Correct

An optical module with a longer transmission distance has a higher transmit power. If an optical module with a long transmission distance is used for short-distance transmission, the optical interface cannot



### View the Optical Module Status on a Switch through the Command

Once the transceiver and fiber optic cable are plugged in properly in the switch optical module, you should be able to view the current information for the optical connection, which helps



## Case Study: Interfaces Cannot Go Up When the 100GE Optical Module

When a 100GE optical module is used for interconnection and the interfaces do not go Up, check FEC information to determine whether the optical module is faulty.



## How To Check If Interconnected Optical Ports Cannot

The optical module cannot be installed in an optical interface because the optical module structure is non-standard. The structure and size of some non-certified

## Troubleshooting Optical Transceiver Issues

If an FCS or CRC error occurs on a port, check whether the optical fiber is properly connected. You can replace the optical fiber with a new one to check whether the fault is caused by



## Troubleshooting Guidelines for Optical Modules

If the transmit optical power is low (fault ID: 136194), the strength of signals sent by the optical module is low or the optical module is faulty. As a result, the receive optical power of the remote optical module





## 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



**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. If

## Optical Module Application: Common Problems & Troubleshooting

Based on typical issues encountered with optical modules in daily switch applications, this document summarizes basic troubleshooting steps for resolving common faults:



## Ruijie Optical Module

Note Products support different types of optical modules. For more details, see the hardware installation instructions that come with your Ruijie device. The optical module information is subject to the



## Replacing an Optical Module

A router must use Huawei-certified optical modules. Non-Huawei-certified optical modules cannot ensure transmission reliability and may affect service stability. Huawei is not responsible for any problem



### Slot: Optical Module Speed Mismatches NIC Speed (Major, Port)

Network arg1 arg3 optical module transmission speed does not match the speed supported by the NIC. This alarm is generated when the optical module speed does not match the

## 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.



### 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



## Diagnosing and Solving Common Optical Transceiver Failures

Troubleshooting Steps 1. Confirm whether the optical transceiver on the down port is compatible with the device. Common incompatibilities between modules and devices include: The



### Typical Troubleshooting Cases of Optical Module

If possible, remove and reinstall the optical modules to check whether the fault is rectified. If the fault persists, run the reboot command to restart the switch or power cycle the switch, and check whether

### How to check and solve the optical module failure?

Step 3: check whether the optical module itself fails or the adjacent equipment or the intermediate link fails. The port, optical module, etc. can be



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

This field indicates whether the rate of the optical module installed on the port matches the port rate. For example, if a non-XGE optical module is installed on an XGE port, the rate of the optical module



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