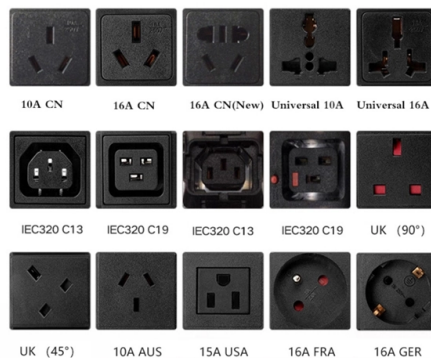


# Huawei switches have slow optical interface speeds



## 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. Perform a. 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 Up. During use, reading optical module information helps understand its real-time operating status, enabling faster troubleshooting of link abnormalities. Sample Output: (Can see link down and not receiving any power from the neighboring device) Or can do filtering:.. I'm trying to find an explanation for why when an optical gig port on an NE40 is configured with autoneg disabled, the interface still passes traffic without error, but causes the connected ADVA interface to show as down, while it is also passing all the traffic it is supposed to.



## Article Content

### Troubleshooting Slow Internet Access Issues on AR Routers

In addition, the Internet access speed of wired users is affected by hardware network facilities such as optical modems, AR routers, switches, and Ethernet cables.

### Optical Interface Interconnection Is Abnormal on CE Switches

After an SFP-GE copper or optical module is installed on a GE or 10GE optical interface, or a high-speed cable is installed on a 40GE optical interface, the interface works in auto-negotiation mode by

### Typical Troubleshooting Cases of Optical Module

Check whether an optical module is a bogus one. An optical module delivered by Huawei is uniquely identified by an SN. If two or more optical modules have the same SN, bogus optical modules are

### Case Study: An Interface Does Not Go Up

CloudEngine 16800, 12800, 9800, 8800, 7800, 6800, and 5800 Series Switches  
Troubleshooting Guide (V100 and V200) Case Study: An Interface Does Not Go Up  
Symptom An

### How Do I Check the Interface or Port Status?

Checking Service Interface Indicators to Determine the Interface Status Observe service interface indicators to quickly identify the service interface status. The following uses the S6730-H48X6C as

### Checking TX / RX optical power for Huawei Switches and Routers

Here is an example on how to query or display optical power of an interface in a Huawei Router. This is tested using NetEngine40E Universal Service Router or NE40E running version 8.x OS.

### Configuring Attributes for an Optical Interface

Converted interfaces go Up after the switch restarts and the configurations delivered when the split interface is in Offline state take effect. A 40GE interface cannot be split if it has been

### Troubleshooting for Optical Modules on Huawei Switch

Check whether the optical module is Huawei-certified. If it is not certified by Huawei, replace it with a Huawei certified one. Remove and reinstall the optical module.

### 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

## S Series Switches Stack Deployment Best Practices

S Series Switches Stack Deployment Best Practices This document describes the best practices for stack deployment, including device selection, deployment, networking deployment, stack setup

### Example for Configuring the Rate and Duplex Mode of an Ethernet ...

You can configure the rate and duplex mode of an Ethernet interface working in either auto-negotiation or non-auto-negotiation mode. In auto-negotiation mode, interfaces at both ends of

## 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

### Optical Module Troubleshooting

Interfaces that use optical modules that are not certified for Huawei data center switches may be unable to go Up. If an optical module that is not certified for Huawei data center switches is used, replace it

### Negotiation on 1000 optical interfaces

I'm trying to find an explanation for why when an optical gig port on an NE40 is configured with autoneg disabled, the interface still passes traffic without error, but causes the connected ADVA interface to

## Ethernet Interface Configuration Commands

S1720, S2700, S5700, and S6720 V200R011C10 Command Reference This document describes all the configuration commands of the device, including the command function, syntax, parameters, views,

### Huawei: How to solve the transceiver type mismatch problem

This article describes how to solve the transceiver type mismatch on a Huawei switch (e.g. from 25Gbps to 10Gbps)

## Troubleshooting Guidelines for Interfaces

Ethernet interfaces are physical interfaces provided for operation and configuration. They are mainly used to receive and send data. Ethernet interface faults typically include interface physically down,

### 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

## Configuring the Interface Rate

Procedure Configuring the interface rate in auto-negotiation mode Manually configuring the interface rate in auto-negotiation mode This configuration takes effect only on an electrical interface or an optical

## 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.

### Solved Problem with a Huawei Switch

If you want to change the port speed of the QSFP28 from 100GB to 40GB, you have to run the command “undo assign port-type 100ge all” in the system-view. This will change the port

## Interface Management FAQ

Huawei S Series Campus Switches Troubleshooting Guide (V100 and V200) Interface Management FAQ Does a Port Frequently Alternate Between Up and Down States When a Non-Huawei-Certified

## Interface Management FAQ

Interface Management FAQ Does a Port Frequently Alternate Between Up and Down States When a Non-Huawei-Certified Optical Module Is Used? Why Is the Bandwidth of a VLANIF Interface on a

## How To Read Optical Module Information On Huawei Switches

Optical modules are widely used in switches, network interface cards (NICs), routers, and other communication devices. During use, reading optical module information helps understand

## Optical Module Solutions for Huawei S5700/S5720 Series Switches

This article summarizes several solutions for using optical modules with switches and common problems encountered during usage, along with specific solutions.

## 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

## 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 interface to the up state. Major causes of the interface

## Contact Us

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