

Connecting two Huawei switches via optical ports



Article Overview

To connect two Huawei switches via optical ports, use compatible Huawei-certified SFP/SFP+ modules, matching fiber types, and configure the ports correctly for either standard uplink or stack connections.

Step 1: Choose Compatible Optical Modules

- Use Huawei-certified optical modules to ensure reliability and avoid non-certified transceiver alarms ().
- Match the module type to the port speed (e.g., 1G SFP for 1G ports, 10G SFP+ for 10G ports) ().
- Ensure the fiber type matches the module: single-mode modules with single-mode fiber, multimode modules with multimode fiber ().

Step 2: Physical Connection

- Insert the SFP/SFP+ modules into the optical ports of both switches.
- Connect the fiber patch cable between the two modules, ensuring proper TX/RX alignment.
- For stacking via optical ports, create logical stack ports and connect the physical ports accordingly ().
- If using multiple cables for stacking, connect them in chain or ring topology to increase bandwidth and provide redundancy ()....

Article Content

01-08 CONNECTING SWITCHES

Step 1 Turn off the power source to which the power cables need to be connected.

Step 2 Measure the distance that the power

How to Connect Two Switches Together: A Comprehensive Guide

To perform cascading, simply connect the ports of the two switches using twisted-pair cables. The switches remain

Connect 2 switches with SFP port?

Hi, As in the title, can SFP ports be used to connect 2 together? We have a few 24 port switches and I want to try and

Optical Module Solutions for Huawei S5700/S5720 Series Switches

This article summarizes several solutions for using optical modules with switches and common problems encountered

Connecting Optical Fibers

Select optical fibers of appropriate modes, quantity, and lengths according to the optical module types, number of ports to be

Installing Optical Modules and Connecting Optical Fibers

Installing Optical Modules and Connecting Optical Fibers Context Do not look into bores of optical modules or connectors of optical

How to Connect Two Switches Together: A Comprehensive Guide

Connecting switches can be achieved through two common methods: cascading and stacking. In this guide, we will

Connecting Second-Generation Hybrid Cable

Connecting Second-Generation Hybrid Cable Context For details related to precautions for using the second-generation hybrid cable

How to connect a new optic fibre to an ethernet switch

As we speak I just have optic fibre (Community Fibre) connected to my Huawei modem / Linksys Velop which will be

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

I have an optical internet cable that comes into my apartment and goes into an optical router from my internet service

Optical Fiber

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

How to Connect two PoE switch with fiber optical cable

Next connect fiber cable to the SFP module. Finally, use Ethernet patch cord to link the media convertor to PoE switch. While SFP

Installing Optical Modules and Connecting Optical Fibers

This document describes hardware installation procedures of the S7700 and S9700 series switches, troubleshooting methods for

Connecting a Cable to an Optical Port

Ensure that optical cables are routed straightly and bound neatly, and that cable ties are installed at even spacing and fastened

01-08 CONNECTING SWITCHES

To connect cables in the cabinet more conveniently, you can remove the side panels of the cabinet before connecting cables. Use

How to link two Network Switch with fiber cables

One of the advantages of fiber optical cable is its fast speed. In this video, you will see

Connect Multiple Switches with Fiber Optic Cables

In this video, we'll delve into the world of fiber optics, exploring the reasons behind their

Connecting Optical Fibers

Connect optical fibers to the optical modules on the device, matching the numbers on the optical fibers to those on the ports. To

Connecting Optical Fibers

Attach temporary labels to both ends of each optical fiber and number them corresponding to port numbers. Remove the dust plugs

How to Connect Multiple Ethernet Switches Using Fiber Optic Cables ...

To connect multiple Ethernet switches, the best way is to use a multi-strand fiber cable. The 4-strand pre-terminated

3 FAQs of Connecting Switches by Fiber Optical Ports

Can two switches with optical ports be directly connected by optical fiber? Yes, the main line of the optical fiber LAN is

Example for Configuring a Layer 2 Switch to Work with a Router for ...

This guide provides steps to configure a Layer 2 switch with a router for seamless internet access.

Connect 2 switches together through Access port or Trunk

Hi Everyone, We need to connect 2 switches together and have 2 options for them:-

1. Use

Example for Establishing a Stack of Two Switches (Configuring

Example for Establishing a Stack of Two Switches (Configuring Software and Then Connecting Cables,

Connecting the First-Generation Hybrid Cables

Connectors at two ends of each optical fiber in a hybrid cable must be connected to the TX and RX ports on optical modules, one

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

Connecting Network Switches via Fiber

When connecting terminated duplex fiber optic cable between two network switches, ensure the connections are reversed between

Tips For Connecting Two Switches Through Fiber Ports

Can two switches with fiber ports be directly connected through fiber ports? The answer is yes. The mainline of the

Installing an Optical Module

Do not touch the edge connector of an optical module during the installation. Install an optical module on a port before connecting

Connecting Two Network Switches Together

In this video we take a look at the different ways of connect 2 switches together. There

Configuring Attributes for an Optical Interface

Converted interfaces go Up after the switch restarts and the configurations delivered when the split interface is in

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

What Is an All-Optical Ethernet Switch?

All-optical Ethernet switches are a type of switch that provides optical uplink and downlink ports, making them an ideal

Daisy Thunder-link : Can Optical Ports Connecting Two Huawei

The optical modules used on both ends must have the same transmission speed, and the interface configurations on both ends must

Installing an Optical Module

Install an optical module, and then connect optical fibers to the optical module. Do not insert an optical module with optical fibers to

Troubleshooting for Optical Modules on Huawei Switch

Check whether the fiber between the two ports is damaged. Use optical modules with a longer transmission distance on the two

How to Connect Multiple Ethernet Switches Using Fiber Optic Cables ...

If you have multiple Ethernet switches that need to be connected over long distances, fiber is obviously a preferred

Installing Optical Modules and Connecting Optical Fibers

Remove dust plugs from the optical modules and insert fiber connectors into the corresponding optical ports. After verifying that all

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