

# **How to use Huawei switch stacked optical ports**





## Overview

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Configure the first two 10G optical ports of each S5700-28X-LI-AC switch as logical port 1, and the last two 10GE optical ports as logical port 2. On the member switches, the first two 10GE optical ports are configured as physical member ports of logical stack port 1, and the last 10GE optical ports are configured as physical member ports of logical stack port 2. Switch stacking is a cornerstone of modern network design, enabling simplified management, improved redundancy, and scalable bandwidth. , iStack and CSS) allows multiple physical switches to operate as a single logical device. Solution: To solve this problem, you can follow these steps: Check if the fiber and optical modules are compatible.



## How to use Huawei switch stacked optical ports

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### Checking Whether Stack Cables Are Correctly Connected

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Modular switch CSS card clustering SRUAs and SRUBs use VSTSA stack cards and dedicated cluster cables and must follow CSS connection rules. SRUCs use VS08 stack cards and dedicated high

### What Is an All-Optical Ethernet Switch?

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All-optical Ethernet switches are a type of switch that provides optical uplink and downlink ports, making them an ideal choice for building an all-optical campus network. They can function as



## Setting Up a Stack Using Dedicated Stack Cables

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Context Configuration-free stack setup is supported when you use service ports to set up a stack through dedicated stack cables or use dedicated stack ports to set up a stack. For details, see the

## How to Configure Stacking on Huawei S5700LI Switches?

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In this article, we'll walk you through the step-by-step process of configuring stacking on Huawei S5700LI switches, along with best practices to ensure a smooth implementation.

## Determining the Stack Connection Support and Mode

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Combo ports cannot function as stack member ports. For stacking-supported service ports, some of them can be used as stack ports, whereas some can be used as ordinary service ports. After a UCL

## Stack Connection Modes

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Stack Connection Modes Stack member switches must be directly connected. Switches can set up a stack through stack card connection and service port connection based on stack port types.

## S Series Switches Stack Deployment Best Practices

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This document describes the best practices for stack deployment, including device selection, deployment, networking deployment, stack setup failures, and reliability.



## **Huawei S-Series Switch Stacking Demonstration**

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Switch stacking is the process of combining multiple switches into a logical device that participates in data forwarding as a whole, in order to expand the number of ports, simplify

### **Establishing a Stack Using Dedicated Stack Cables**

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Ensure that all logical stack ports of the top switch are connected to the master ends of cables, all logical stack ports of the bottom switch are connected to the slave ends of cables, and two logical stack

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

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



common problems encountered during usage, along with specific solutions.

## Stacked Switch Model Selection

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Huawei S Series Campus Switches Troubleshooting Guide (V100 and V200) Stacked Switch Model Selection Stacked switch models need to be selected based on service requirements, service

## How to configure Stacking in Huawei Switches , What is Stacking , Stack

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Stacking is a technology that connects multiple switches through stack cables to form a logical switch for data forwarding. As a widely-used horizontal virtualization technology, it can improve



## Huawei S-Series Switch Stacking Demonstration

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This test uses two Huawei S series switches of the same model for stacking, and the stacking can support up to nine switches; the following table shows the switches and stacking cables

## Installing Stack Cables and Powering On the Switch

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Wear an ESD wrist strap or ESD gloves during the installation. Prevent the cables or optical fibers from being twisted. Install or remove optical fibers carefully to avoid damages to fiber connectors. The

## How to Configure Stacking on Huawei S5700LI Switches?

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Prerequisites for Stacking Huawei S5700LI Switches Before configuring stacking, ensure



the following: Compatible Switches: All switches in the stack must be Huawei S5700LI models or compatible with

## **Huawei S6720S-26Q-EI-24S-AC: High-Density 10GbE and 40GbE Switching**

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Discover the details of Huawei S6720S-26Q-EI-24S-AC: High-Density 10GbE and 40GbE Switching Excellence at LonRise Equipment Co. Ltd., a leading supplier in China for Optical

## **How to Master Huawei Switch Stacking: Best Practices and**

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Mastering Huawei switch stacking requires meticulous planning, adherence to best practices, and proactive troubleshooting. By leveraging ring topologies, uniform firmware, and



## Establishing a Stack Using Dedicated Stack Cables

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Installation Procedure Stack member switches can set up a stack in a chain or ring topology through service port connections. Figure 9-37 and Figure 9-38 show stack cable connections in a stack that

## Typical Stack Configuration of Fixed Switches

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Fixed switches are often deployed at the aggregation layer and access layer. Unlike modular switches, fixed switches have a fixed number of ports and cannot add LPUs to expand the number of ports.

## 01-02 STACK CONFIGURATION

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As shown in Figure 2-4, when the port density of a device is no longer enough for the



number of users, more ports can be provided by adding a new device that sets up a stack with the existing device.

## Example for Setting Up a Stack Using Service Ports

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Example for Setting Up a Stack Using Service Ports Overview Service port connection allows member switches to be connected using service ports, without requiring dedicated stack

## Installing Stack Cables and Powering On the Switch

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Installing Stack Cables and Powering On the Switch Preparing for Installation Ensure that the following components and tools are available before the installation: Components: copper cables, optical



## Configuring Attributes for an Optical Interface

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A 40GE interface cannot be split if it has been added to a stack interface. 10GE interfaces split from 40GE optical interfaces on CX320 switches can be used for stack connections.

## Stack Port and Cable Requirements

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For details about cables and optical modules, see "Cables" and "Optical Modules" in the CloudEngine 16800 Series Switches Hardware Description. When setting up a stack, ensure that optical modules

## Example for Establishing a Stack Through Service Port Connections Using

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To improve stack efficiency and reduce manual configuration, since V200R011C10,



switches can set up a stack using dedicated stack cables. Service port connections are classified into ordinary and

## What Ports Can Be Used to Set Up a Stack Among CE Series Switches

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What Ports Can Be Used to Set Up a Stack Among CE Series Switches? Stack Port Types of CE12800, CE12800E, CE16800 Series Switches Table 22-47 Stack port requirements of CE12800, CE12800E,

## How to Master Huawei Switch Stacking: Best Practices and

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Switch stacking is a cornerstone of modern network design, enabling simplified management, improved redundancy, and scalable bandwidth. Huawei's stacking technology (e.g.,



## **Example for Setting Up a Stack Using Service Ports (V200R003 and**

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Ordinary cable connection: Switches use optical cables, network cables, and high-speed cables to set up a stack. Dedicated cable connection: Switches use dedicated stack cables to set up

### **01-03 STACK CONFIGURATION**

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That is, they either all use electrical ports on front panels, or they all use SFP+ or SFP optical ports. When SFP or SFP+ optical ports are used as stack ports, a switch supports a maximum of two

## **Huawei S Series Switches Stack Guide--Version and Model**

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Switches can set up a stack through stack card connection and service port connection based on stack port types. Service port connections are classified into ordinary and dedicated cable connections

## Contact Us

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