

Huawei Switch Optical Port Stacking Configuration



Summary of Content

Huawei switches allow multiple optical ports to be bound to logical stack ports, supporting chain and ring topologies for reliable and high-bandwidth stacking.

Physical and Logical Port Configuration

Huawei switches, such as the S5700 series, allow the first two 10GE optical ports to be configured as physical member ports of logical stack port 1, and the last two 10GE optical ports as physical member ports of logical stack port 2. Multiple physical ports can be bound to a single logical stack port to increase bandwidth and improve stack reliability. When connecting switches, stack-port n/1 on one switch must connect to stack-port m/2 on another switch, and the sequence of physical ports does not matter if multiple ports are used.

Supported Topologies

- Chain Topology: Suitable for two switches; simple but has a single point of failure. Only one logical stack port per switch is recommended in this case.
- Ring Topology: Recommended for three or more switches; provides redundancy and prevents stack split as long as at least one physical link remains active.

Best Practices

- Verify Compatibility: Ensure the optical modules and fibers are compatible (single-mode vs multimode) and match the interface speed.

Article Content

S6730-H and S6730S-H Service Port Stacking Support

A switch supports a maximum of two logical stack ports. For stacking-supported service ports, some of them can be used as stack

Typical Stack Configuration of Fixed Switches

If a switch is currently using the service port connection mode, correctly connect stack cards and stack cables and clear the existing

Stack Configuration

This chapter describes how to set up a stack of multiple switches to improve forwarding performance and reliability. This document

Huawei S-Series Switch Stacking Demonstration

This test uses two identical Huawei S-Series switches for stacking (a maximum of 9 switches can be stacked). Table 1

S SERIES SWITCHES STACK DEPLOYMENT BEST PRACTICES

When uplink ports are used for stacking and one logical stack port contains two stack member ports, the logical stack port can

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

In this case, replace the current optical module with a supported optical module and then configure the stack port. For details about

S Series Switches Stack Deployment Best Practices

This document describes the best practices for stack deployment, including device selection, deployment, networking deployment,

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

However, improper configuration or oversight can lead to instability. This guide dives into best practices for deploying

Establishing a Stack Using Dedicated Stack Cables

This document describes the principles and configurations of the Device Management features, and provides configuration examples

Installing Stack Cables and Powering On the Switch

This document describes the principles and configurations of the Device Management features, and provides configuration examples

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://benniedesignstudio.co.za>

Email: sales@benniedesignstudio.co.za

Phone: +27 82 391 4765

Address: The Towers, 1 St Georges Mall, Cape Town, 8001, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

