

Huawei Access Switch Selection Method



Article Overview

Huawei access switches, such as the S3700, S5700, and S6700 series, are selected based on network scale, port density, and feature requirements, and can be configured via CLI or web interface for VLANs, access ports, and management.

Switch Selection Guidelines

When choosing a Huawei access switch, consider the following factors :

- **Network Size and Port Density:** S3700 is suitable for small to medium networks, S5700 for medium to large networks, and S6700 for high-performance campus networks.
- **Layer 2 vs Layer 3 Features:** Determine if routing capabilities are needed at the access layer.
- **Stacking Requirements:** For redundancy and simplified management, select switches that support iStack or VCMP stacking.
- **Power over Ethernet (PoE):** Required for IP phones, cameras, or wireless access points.
- **Traffic and QoS Needs:** Consider switches with advanced QoS and ACL support if traffic prioritization is necessary.

Basic Access Port Configuration

An access port carries traffic for a single VLAN and does not tag frames . To configure an access port on a Huawei switch:

- Log in to the switch via console, SSH, or web interface

Article Content

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Campus Switches

Campus Switches Huawei S Series Switches fully accommodate metro core, aggregation, edge aggregation, and access networking

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Access Layer (Access Switch)

Access Layer (Access Switch) The access layer is the edge of a campus network, which provides diverse access modes to PCs,

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Switch: Access product manuals, HedEx documents, product images and visio stencils.

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Switches

Switches After more than 20 years of unremitting efforts and stable development, Huawei provides

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Stack Deployment Method and Recommendations

Scenario 2: The Stack System Operates on Access Switches This is the most common scenario when Layer 2 access switches set

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

Example for Configuring a Layer 2 Switch to Work with a Router for Internet Access
Layer 2 Switch Layer 2 switches perform only

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Configuring Aggregation and Access Switches to Be Managed by the ...

Configuring Aggregation and Access Switches to Be Managed by the Controller
Configuration Roadmap Aggregation

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How to enable or disable switch access

Switch access allows people with motor impairments to operate the Huawei
smartphone and other mobile devices

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S Series Campus Switches Quick Configuration (V200)

This document describes how to log in Huawei S series switches for the first time and
fast configure the switches, and

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Best Huawei Access Points, Hubs, and Switches: A Comprehensive

Consider these essential factors when selecting Huawei access points, hubs, and
switches to ensure optimal

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01-03 NETWORK ACCESS CONTROL

This method applies to scenarios where LLDP-capable terminals are directly
connected to Huawei access switches. By default,

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Huawei Switch Configuration Guide

This document provides instructions for configuring Huawei switch commands. It
discusses starting a configuration session, viewing

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S Series Switches Stack Deployment Best Practices

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

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ideal for building future-proof campus

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Solution Selection Guidance

S300, S500, S2700, S3700, S5700, S6700, S7700, and S9700 Series Switches Typical Configuration Examples (V200) This

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Example for Using ACLs to Control Access to the Specified Server in

Networking Requirements As shown in Figure 10-2, the departments of an enterprise are connected through the Switch. The R& D

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HUAWEI SWITCH BASIC CONFIGURATIONS WITH EXAMPLE(5

Access port config: An access port belongs to and carries the traffic of only one VLAN within 2-layer switch. Traffic is

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Huawei S Series Quick Configuration

Small- and Mid-Sized Campus Networks This section uses the S2750 as an access switch (ACC1), S5700 as a core switch (CORE),

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Basic CLI Commands on Huawei Switch

This text is a guide detailing Basic Command Line Interface (CLI) Commands on Huawei brand switches. It

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S600-E Series Switches Typical Configuration Examples

The configuration roadmap is as follows: Configure interface-based assignment on the access switch to implement Layer 2

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Configuring access, trunk, and hybrid ports on Huawei switches and ...

The main function of the network layer is to provide reasons for selection, to choose the optimal path to the destination

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User Access Configuration on the Network Device Side

Therefore, you need to enable the function of reporting terminal identification information on the switch and AP. Figure

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Access port config (Huawei)

How to set access port config on Huawei switch? An access port belongs to and carries the traffic of only one VLAN within 2-layer

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Switches Selection: 6 Key Points You Need to Know| FiberMall

This article introduces the six key points for choosing a switch and the configuration commands for Huawei, H3C and

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How to Configure an Access Port for Data VLAN on Huawei Switch

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User Access Configuration on the Network Device Side

User Access Configuration on the Network Device Side In this example, the core switch functions as the unified

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Huawei Switch Configuration Guide

The document provides configuration instructions and commands for basic switch configuration using Huawei switches. It covers

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Master the Basic Command Configurations of Huawei, H3C, Ruijie,

As technology advances, networking switches have become an integral part of the IT infrastructure. They play a

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Example for Configuring MAC Address Authentication on the Wireless

MAC address authentication controls a user's network access rights based on the their interface and MAC address. The user does

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Huawei Enterprise Switches Guide 2025: Selection ...

Comprehensive 2025 guide for Huawei enterprise switches, including selection, deployment best practices, and key models such as

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Configuring Access Port and Trunk Port on Huawei Switch

In this tutorial, we will guide you through the process of configuring access and trunk ports

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General Solution Selection Guidance

After you complete basic configurations for this midsize office network according to the selected examples, you can also deploy

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General Solution Selection Guidance

Select an authentication deployment example in chapter Wired and Wireless User Access Authentication Deployment according to

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Storage Switch Recommended Configurations and Configuration Methods

This document will elaborate on these issues to deepen your understanding of the new technologies. Due to

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