

Huawei switch with multiple ports



AI Overview

Huawei switches feature various ports that can be configured for different network functions, including access and trunk ports, VLAN management, and security settings.

Types of Ports on Huawei Switches

Access Ports: These ports are used to connect end devices like computers and printers to the network. They typically belong to a single VLAN and are configured to carry traffic for that VLAN only. To configure an access port, you would use commands like:

```
interface GigabitEthernet 0/0/1 (replace with your port ID)
port link-type access
port default vlan 10 (assigning VLAN 10)
```

Trunk Ports: Trunk ports are used to connect switches to each other and can carry traffic for multiple VLANs. They are configured to allow VLAN tagging, which helps in identifying the VLAN of the traffic. To configure a trunk port, you would use:

```
interface GigabitEthernet 0/0/2 (replace with your port ID)
port link-type trunk
trunk allow-pass vlan 10 20 30 (allowing VLANs 10, 20, and 30)
```

Configuring Ports

To enable and configure ports on a Huawei switch, follow these steps:

- Access the CLI:** Connect to the switch using SSH or a console cable and log in.
- Enter Configuration Mode:** Use the command `system-view` to enter configuration mode.
- Select the Port:** Navigate to the desired port using `interface GigabitEthernet 0/0/1` (replace with your port ID).
- Enable the Port:** Activate the port with the command `undo shutdown`.
- Assign VLANs:** For access ports, assign a VLAN using `port link-type access` and `port default vlan`.
- Save Configuration:** Always save your changes with the `save` command to ensure they persist after a reboot.

Security Considerations

When configuring ports, it's essential to implement security measures to prevent unauthorized access. This includes:

- Port Security:** Enable port security features to restrict access based on MAC addresses.
- Rate Limiting:** Use commands like `qos lr outbound cir` to prevent traffic floods.
- Access Control Lists (ACLs):** Implement ACLs to filter traffic and enhance security.

By understanding the types of ports and how to configure them, you can...

Article Content

Step-by-Step Guide to Configure VLAN and Bind Ports on a Huawei

Configuring a Huawei switch to assign an IP address to VLAN 1 and binding multiple ports to it can seem challenging, but this step-by-step guide simplifies the process.

Huawei S3700, S5700 and S6700 Firmware & Software Download-Huawei

S3700& S5700& S6700 Series: Access the latest firmware, download and update.

Huawei 48-Port SFP Switch Buying Guide

The Huawei 48-port SFP switch market, particularly for models like the CloudEngine S5735-S48S4X and S5731-S, is transitioning toward high-performance, AI-driven networking.

Huawei 24-Port PoE Switch Buyer's Guide

Compare Huawei's S1700, S310, and CloudEngine 24-port PoE switches—covering PoE++ power, pricing tiers, ZTP/iStack features, and Wi-Fi 7 readiness for SMBs and enterprises.

Optical Access Architecture Reference Document: Huawei vs ZTE

FLEX-PON AND MULTI-GENERATION TECHNOLOGY SUPPORT ical differentiator in modern OLT p multiple PON generations on a single chassis, enabling operators to migrate des The Huawei

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 choice for building an all-optical campus network. They can function as

CloudEngine S5731-S Series Switches | Huawei

The CloudEngine S5731-S series multi-GE switches are next-generation gigabit access switches that offer multi-GE (GE/2.5GE/10GE) electrical downlink ports

S5700-LI Switch Datasheet (Detailed Version)

You can increase ports, bandwidth, and processing capacity of a stack by simply adding member switches to the stack. iStack also simplifies device configuration and management.

Huawei S310-48P4X

Huawei S310-48P4X is a managed and stackable L3 PoE switch, which is equipped with 48 Gbit Ethernet ports with 802.3af/at support and 4 SFP+ slots. It supports

Huawei S-Series Switch Stacking Demonstration

Switch stacking combines multiple switches into a single logical device for unified data forwarding, which expands port quantity, simplifies network deployment, enhances reliability, and

Huawei 48-Port PoE Switch Buying Guide 2026

Huawei 48-Port PoE Switch: 2026 Product Insights & Market Trends As of 2026, the market for Huawei 48-port PoE switches is driven by a rapid shift toward high-speed connectivity, AI-native automation,

One-Stop SME Network Solution Bookshelf

Switch + Access Switch + AP • Third-Party Gateway + Third-Party Core Local Web Management Switch + Third-Party Access Switch + AP + WAC 04 Maintenance &

What Is LACP? How Does LACP Work?

This chapter defines Link Aggregation Control Protocol (LACP), introduces related concepts, and provides configuration examples. LACP is a basic feature of Huawei data communications products,

Huawei S3700, S5700 and S6700 Switches Support Guide, Manuals

S3700& S5700& S6700 Series: Access product manuals, HedEx documents, product images and visio stencils.

Huawei: How to split an interface on switch

The port split function on Huawei switches allows a physical high-bandwidth port (e.g. 40Gbps) to be split into multiple independent low-bandwidth ports (e.g. 10Gbps), giving more

Enterprise High-Availability: VRRP, MLAG & ECMP

MLAG (Multi-Chassis Link Aggregation): A Layer 2 technology that tricks downstream devices into seeing two physical switches as one. Provides

VLAN Configuration on Huawei Switch | Access, Trunk & Hybrid Ports ...

This tutorial covers everything from VLAN creation to interface assignment and verification — perfect for beginners and network professionals alike. ☐☐ Topics Covered: Entering system view mode...

Huawei S9306 Switch Guide: Specs, EOS Date & Modern Replacements

The Huawei Quidway S9306 is a mid-range chassis in the S9300 Terabit Routing Switch series, designed for multi-service convergence in enterprise and carrier networks. However, current market

HUAWEI eKitEngine S630 Series Switches Datasheet

HUAWEI eKitEngine S630 Series Switches are enhanced fully-managed 10GE switch designed for the small and medium-sized business (SMB) market. It provides a variety of ports, such as 10GE optical,

HPE Challenges Huawei's Campus Switch Market Share with Addition

Port prices declined for the seventh quarter in a row, despite a significant increase in multi-gig port shipments. Cisco's refresh opportunity is broken down by switch type.

Huawei S Series Switches Stack Guide—Version and Model

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

The Ultimate Guide to SFP Modules (2026): Types,

Confused by SFP vs SFP+? Read the definitive 2026 guide on SFP modules. We explain Single Mode vs Multimode, DDM diagnostics, and how to choose the

Best 10Gb Switch for SMB in 2025: Unlock Next-Gen Network

What Is a 10Gb Switch? A 10 Gigabit Ethernet switch is a network device that connects multiple endpoints at 10 Gbps speeds, enabling ultra-fast data exchange within local area networks.

HUAWEI eKitEngine AR580 Series Converged Gateway Datasheet

Huawei eKitEngine AR580 series gateways can be deployed at the egress of the headquarters or branches of small- and medium-sized enterprises (SMEs). The series includes AR580, AR580 Plus,

Quickly set up a range of ports on Huawei S2300

I will give an example of quickly setting up a range of ports on Huawei S2300 series switches; for example, I will perform the settings on Huawei Quidway S2326TP-EI.

HUAWEI SWITCH BASIC CONFIGURATIONS WITH EXAMPLE(5

An access port belongs to and carries the traffic of only one VLAN within 2-layer switch. Traffic is both received and sent in native formats with no VLAN tagging whatsoever.

Huawei 24-Port Switch Buying Guide

The Huawei Quidway 24-port switch market is characterized by a transition from legacy models like the S2300 and S3700 series toward high-performance, energy-efficient Gigabit and 10GbE solutions like

CloudEngine S5735I-S-V2 Series Switches | Huawei

Huawei CloudEngine S5735I-S-V2 series industrial switches (DIN rail-mounted) are next-generation industrial switches that provide flexible all-gigabit access and

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