

Huawei switch network cable access



Overview

If a network cable does not meet the preceding requirements, replace it with a compliant one or reduce the interface speed.

Key Takeaways

To access a Huawei switch via network cables, connect the appropriate Ethernet or optical cable, configure the port as an access port, assign it to a VLAN, and enable it using CLI commands.

Physical Cable Connection

- Ethernet Cables: Use CAT5E or CAT6 cables for standard connections, but avoid using them for 5GE or 10GE interfaces due to potential crosstalk and packet loss issues. If the cable does not meet standards, either replace it or reduce the interface speed .
- Optical Fiber: Install an optical module on the SFP+ port if required, and connect to the peer device using optical fiber. Ensure the fiber bend radius does not exceed 180° and remove dust plugs before installation .
- PoE Considerations: If using PoE, ensure the power supply type is compatible. Both Ethernet ports support PoE input, and power is superimposed if the types are the same .



- Cable Management: Bundle cables neatly, maintain at least 30 mm spacing between different types, and create drip loops to prevent water ingress .

Configuring Access Ports

- Access the Switch CLI: Connect via console cable or SSH and log in. Enter system-view mode using system-view .
 - Select the Port: Navigate to the target port, e.g., interface GigabitEthernet 0/0/1 .
 - Set Port Type: Configure the port as an access port with port link-type access .
 - Assign VLAN: Assign the port to a VLAN using port default vlan 10 (replace 10 with your VLAN ID), .
 - Enable the Port: Activate the port with undo shutdown .
 - Save Configuration: Use save to make changes permanent .
- #### Security and Optimization
- Port Security: Enable MAC address binding with port-security enable and port-security mac-address sticky to prevent unauthorized devices .
 - Rate Limiting: Apply outbound rate limits using qos lr outbound cir to control traffic .
 - Verification: Check port status with display interface GigabitEthernet0/0/1 and VLAN assignment with display vlan .

Additional Notes

- For trunk ports, use port link-type trunk and allow VLANs with port trunk allow-pass vlan all .
- For switches supporting auto-negotiation, enable rate decrease auto-negotiation to adjust speed based on cable quality .
- Always follow ESD protection measures when handling ports and modules .

By following these steps, you can ensure proper network cable access, secure port configuration, and reliable connectivity on Huawei switches.

Article Content

WLAN Hardware Installation and Maintenance Guide

If a network cable does not meet the preceding requirements, replace it with a compliant one or reduce the interface speed. For a

Network Switches | Huawei Enterprise

Huawei campus switches are ideal for building future-proof campus networks with simplified management,

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

Troubleshooting S Series Switch Port and Interface Problems

A network cable of a category higher than Category 5 is recommended for the connection between electrical interfaces. Check

How to Enable Ports in Huawei Switch? Could Open Ports Unlock

Configuring ports on a Huawei switch is a fundamental yet critical task for network administrators. Whether you're

Huawei S Series Quick Configuration

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

Checking the Network Cable

Use a cable tester or the virtual cable test function of the electrical interface on a switch to check the network cable quality. When

Log in and configure Huawei switches through the console

The above tutorials are suitable for logging in with devices of various brands such as Huawei and Ruijie. The port

Huawei Switch Configuration Guide

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

Huawei Network Switch Configuration guide | Step-by-Step CLI

☐☐ Learn how to fully configure a Huawei S5700 Series switch step-by-step using real CLI

Master the Basic Command Configurations of Huawei,

As technology advances, networking switches have become an integral part of the IT

Typical Login Configuration

The network administrator requires remote management and maintenance on a switch and high network security for protecting the

What Is Stacking? Why Do We Need Stacking?

In the following figure, the access switches on all floors in a building are connected over a long distance to set up a

How to Enable Ports in Huawei Switch? Could Open Ports Unlock

Configuring ports on a Huawei switch is a fundamental yet critical task for network administrators. Whether you're

Huawei Network Switch Configuration guide | Step-by-Step CLI

☐☐ Learn how to fully configure a Huawei S5700 Series switch step-by-step using real CLI

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

S1700 Series Switches

Huawei S1700 series enterprise switches provide energy-saving Fast Ethernet access for small businesses and branch locations.

Logging In to a Device Through the Console Port

Connect the DB9 female connector of the console cable to the serial port (COM) on the PC, and connect the RJ45 connector to the

Huawei NetTech TV

Shows how to connect a PC to a switch with a console cable, set terminal software parameters, and log in to the switch through the

How to Set Console Passwords on Huawei Switch? Can Access

The Huawei Switch console port is like your network's backdoor—unlocked by default, which is terrifying. Here's how

Ethernet Switches

These switches accommodate cloud data center, large metro core, aggregation, edge aggregation, and access networking

Huawei Ethernet Switches

Router-switch offers huawei CloudEngine, Campus and smb ethernet switches, provide high-availability, high-performance

How to configure Access Control List (ACL) on Huawei

An Access Control List (ACL) in Huawei devices is a set of rules used to permit or deny specific network traffic based on

Huawei Switch Support Guide, Manuals & PDF - Huawei

Find technical support and resources for Huawei enterprise network switches, including troubleshooting guides, software downloads,

Ethernet Switches

These switches accommodate cloud data center, large metro core, aggregation, edge aggregation, and

Huawei Ethernet Switches

Router-switch offers huawei CloudEngine, Campus and smb ethernet switches, provide high-availability, high-performance

How to configure Access Control List (ACL) on Huawei

An Access Control List (ACL) in Huawei devices is a set of rules used to permit or deny

Huawei Switch Support Guide, Manuals & PDF - Huawei

Find technical support and resources for Huawei enterprise network switches, including troubleshooting guides, software downloads,

Huawei Ethernet Switch & Network Switches Solutions

Thunder link offers various models of Huawei Ethernet switches and network switches, including the S5720, S6720, S6730, CE6800

Checking the Network Cable

If any of the four line pairs in a cable is damaged, electrical interfaces cannot go Up. Use a cable tester or the virtual cable test

Huawei Switch Configuration Tutorial Basic

Shahed Israr Shahed Israr is a Network Engineer specializing in GPON, FTTH, and telecom access network

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

Huawei Switch Stack Configuration | S6730 S5732 S5735

Whether you're a network administrator, IT professional, or simply interested in learning

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

Networking Requirements In Figure 3-326, a company has multiple departments that belong to different network segments, and each

Example for Configuring a Layer 3 Switch to Work with a Router for ...

Example for Configuring a Layer 3 Switch to Work with a Router for Internet Access
Layer 3 Switch Layer 3 switches provide the

Ethernet Interface Configuration Commands

Usage Guidelines Usage Scenario You can check the quality of the network cable on a MultiGE electrical interface to determine

Sx300 Series Switches Typical Configuration Examples (V200)

A network administrator usually logs in to a new switch through a console port and then performs initial

HUAWEI S Series Switch-Configure Login Through a Console Port

HUAWEI S Series Switch-Configure Login Through a Console Port video demonstrates how to log in to a switch

Master the Basic Command Configurations of Huawei,

As technology advances, networking switches have become an integral part of the IT

Typical Login Configuration

The network administrator requires remote management and maintenance on a switch and high network security for protecting the

What Is Stacking? Why Do We Need Stacking?

In the following figure, the access switches on all floors in a building are connected over a long distance to set up a

How to Enable Ports in Huawei Switch? Could Open Ports Unlock

Configuring ports on a Huawei switch is a fundamental yet critical task for network administrators. Whether you're

Huawei Network Switch Configuration guide | Step-by-Step CLI

□□ Learn how to fully configure a Huawei S5700 Series switch step-by-step using real CLI

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

S1700 Series Switches

Huawei S1700 series enterprise switches provide energy-saving Fast Ethernet access for small businesses and branch locations.

Logging In to a Device Through the Console Port

Connect the DB9 female connector of the console cable to the serial port (COM) on the PC, and connect the RJ45 connector to the

Huawei NetTech TV

Shows how to connect a PC to a switch with a console cable, set terminal software parameters, and log in to the switch through the

How to Set Console Passwords on Huawei Switch? Can Access

The Huawei Switch console port is like your network's backdoor—unlocked by default, which is terrifying. Here's how

Ethernet Switches

These switches accommodate cloud data center, large metro core, aggregation, edge aggregation, and access networking

Huawei Ethernet Switches

Router-switch offers huawei CloudEngine, Campus and smb ethernet switches, provide high-availability, high-performance

How to configure Access Control List (ACL) on Huawei

An Access Control List (ACL) in Huawei devices is a set of rules used to permit or deny specific network traffic based on

Huawei Switch Support Guide, Manuals & PDF – Huawei

Find technical support and resources for Huawei enterprise network switches, including troubleshooting guides, software downloads,

WLAN Hardware Installation and Maintenance Guide

If a network cable does not meet the preceding requirements, replace it with a compliant one or reduce the interface speed. For a

Network Switches | Huawei Enterprise

Huawei campus switches are ideal for building future-proof campus networks with simplified management,

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

Troubleshooting S Series Switch Port and Interface Problems

A network cable of a category higher than Category 5 is recommended for the connection between electrical interfaces. Check

How to Enable Ports in Huawei Switch? Could Open Ports Unlock

Configuring ports on a Huawei switch is a fundamental yet critical task for network administrators. Whether you're

Huawei S Series Quick Configuration

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

Checking the Network Cable

Use a cable tester or the virtual cable test function of the electrical interface on a switch to check the network cable quality. When

Log in and configure Huawei switches through the console

The above tutorials are suitable for logging in with devices of various brands such as Huawei and Ruijie. The port

Huawei Switch Configuration Guide

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

Huawei Network Switch Configuration guide | Step-by-Step CLI

☐☐ Learn how to fully configure a Huawei S5700 Series switch step-by-step using real CLI

WLAN Hardware Installation and Maintenance Guide

If a network cable does not meet the preceding requirements, replace it with a compliant one or reduce the interface speed. For a

Network Switches | Huawei Enterprise

Huawei campus switches are ideal for building future-proof campus networks with simplified management,

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

Troubleshooting S Series Switch Port and Interface Problems

A network cable of a category higher than Category 5 is recommended for the connection between electrical interfaces. Check

How to Enable Ports in Huawei Switch? Could Open Ports Unlock

Configuring ports on a Huawei switch is a fundamental yet critical task for network administrators. Whether you're

Huawei S Series Quick Configuration

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

Checking the Network Cable

Use a cable tester or the virtual cable test function of the electrical interface on a switch to check the network cable quality. When

Log in and configure Huawei switches through the console

The above tutorials are suitable for logging in with devices of various brands such as Huawei and Ruijie. The port

Huawei Switch Configuration Guide

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

Huawei Network Switch Configuration guide | Step-by-Step CLI

☐☐ Learn how to fully configure a Huawei S5700 Series switch step-by-step using real CLI

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

Contact Us

Continue your research online:

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

Technical inquiry: <https://jewelbluimages.co.za/contact.html>

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

