

Article Overview

Configuring a Huawei gigabit fiber optic switch involves setting up the management IP, configuring interfaces and VLANs, adjusting port speeds, and securing access.

Step 1 - Connect and Log In

- o Connect your PC to the switch using a console cable (Mini USB or serial-to-USB if needed) .
- o Power on the switch and access it via a terminal emulator (e.g., PuTTY).
- o For first login, use the default credentials: username: admin, password: admin@huawei.com .
- o Change the default password immediately for security.

Step 2 - Configure Management IP

- o Enter system view: system-view
- o Assign a management IP to the switch's management interface (e.g., Ethernet0/0/0):
interface Ethernet0/0/0 ip address 10.10.1.1 255.255.255.0
- o Set the default gateway if the switch needs Internet access:
ip route-static 0.0.0.0 0.0.0.0 10.10.1.254

Step 3 - Configure User Accounts and Access

- o Create a local user for Telnet or SSH access:
local-user admin password irreversible-cipher YourStrongPassword
local-user admin privilege level 15
local-user admin service-type telnet
- o Enable SSH for secure remote management if supported.

Step 4 - Configure Interfaces and VLANs

- o Enter interface view for a gigabit fiber port (e.g., GE0/0/1):
interface GigabitEthernet0/0/1
- o Set the port mode (access or trunk) and assign VLANs:
port link-type access
port default vlan 10
- o For trunk ports:
port link-type trunk
port trunk allow-pass vlan 10 20 30
- o Enable auto-negotiation for fiber interfaces if needed:
negotiation auto
- o Adjust port speed if required (default 1 Gbit/s, can be licensed for higher rates):



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assign port-type xge

Step 5 - Verify Connectivity

- o Check interface status: display interface GigabitEthernet0/0/1
- o Test VLAN and network connectivity using ping commands.
- o Optionally, check cable quality for MultiGE interfaces: cable-snr-test .

Step 6 - Save Configuration

- o Save the configuration to prevent loss after reboot:
save

Additional Tips

- o Use display version to confirm firmware version before configuration .
- o For advanced features like unidirectional isolation or port aggregation, refer to Huawei's Ethernet interface commands .
- o Video tutorials provide visual guidance for step-by-step configuration . By following these steps, your Huawei gigabit fiber optic switch will be configured for management, VLAN segmentation, and network connectivity, ready for deployment in your network.

This configuration ensures that the combo interface's working mode does not change when the transmission medium

Huawei Ethernet Switches Turbocharge your enterprise network with high-performance, high-availability for

This document describes all the configuration commands of the device, including the command function, syntax, parameters, views,

Are you new to configuring Huawei switches and looking for a step-by-step guide? Look

Huawei S1700 series enterprise switches provide energy-saving Fast Ethernet access for small businesses

User manuals, Huawei Switch Operating guides and Service manuals.

In this video, we'll guide you through the process of configuring a Huawei Switch for your network. Whether you're

Installing Optical Modules and Connecting Optical Fibers Context Do not look into bores of optical modules or connectors of optical

An optical module works in full-duplex mode with a pair of optical fibers, one for transmission and one for receiving, as shown in the

With hands-on experience in Huawei OLT and ONT configuration, U2000 NMS deployment, iMaster NCE-FAN Lite

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

S6320-SI Series Multi-Gigabit Switches Huawei S6320-SI series switches are Huawei-developed next-generation multigigabit 10GE

CloudEngine S5755-H series high-quality multi-rate switches are Huawei's next-generation high-end access switches designed for

Huawei CloudEngine S5755-H series switches are high-quality gigabit access switches that can be widely used in many industries.

S1720, S2700, S5700, and S6720 V200R011C10 Configuration Guide - Ethernet Switching This document describes the

The document provides detailed steps and examples for completing common switch configuration tasks.

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