

Article Overview

Configuring a Huawei fiber optic switch involves connecting the fiber cables properly, setting up interfaces, VLANs, IP addresses, and enabling secure management access.

Physical Fiber Connection

- o Prepare the Fiber Cables: Use pigtails or hybrid cables to connect the main fiber line to the switch. Splice the pigtail to the main cable and connect it to the switch or HDF (Hybrid Distribution Frame) if used .
- o Install the Switch and HDF: Place the switch and HDF in the same or separate cabinets. Maintain recommended spacing (14-16 U between HDF and switch) and plan positions for multiple devices .
- o Connect Jumpers: Insert jumpers into the cabling space, remove dust caps from optical connectors, and connect TX and RX ports according to the port mapping rules .
- o Secure Cables: Use cable ties to fix jumpers and prevent damage or contamination .

Software Configuration

- o Access the Switch: Connect a PC to the switch via console cable or Mini USB. Log in using the default credentials (admin/admin@huawei.com) and change the password immediately .
- o Set Up User Accounts: Configure AAA authentication for Telnet or SSH access. Example commands:
[HUAWEI-aaa] local-user admin password irreversible-cipher YourPassword[HUAWEI-aaa] local-user admin privilege level 15[HUAWEI-aaa] local-user admin service-type telnet
- o Configure Interfaces: Assign IP addresses to VLAN interfaces for management. Example:
interface Vlanif1[HUAWEI-Vlanif1] ip address 10.10.1.1 255.255.255.0
- o Set Up VLANs and Ports: Configure access and trunk ports according to network design. Example:
vlan 10[HUAWEI-vlan10] quit interface GigabitEthernet0/0/1[HUAWEI-GigabitEthernet0/0/1] port link-type access[HUAWEI-GigabitEthernet0/0/1] port default vlan 10
- o Configure Combo Interfaces: If using combo ports (GE electrical + GE optical), select the working mode based on the installed module: FORCE FIBER for optical or FORCE COPPER for electrical .
- o Enable Remote Management: Configure SSH for secure remote access and optionally NTP for time synchronization and syslog for monitoring .
- o Save Configuration: Always save the configuration to prevent loss after reboot:
save

Testing and Verification

- o Ping Test: Verify connectivity to other devices in the network.
- o Interface Status: Use display interface brief to check port status.
- o VLAN Verification: Use display vlan to ensure correct VLAN assignment. By following these steps, your Huawei fiber optic switch will be physically connected, properly configured for network communication, and secured for management access. This setup ensures reliable operation in campus or enterprise networks .

A fiber jumper consists of one or more optical fibers of a certain length and the optical connectors at both ends. A fiber jumper

A Bolsa pós-graduação online EAD foi pensada especialmente para enfermeiros que desejam evoluir

Enter the interface view and run the following commands: o Switch to optical mode: combo enable fiber. o Restore

This page provides configuration commands for Ethernet interfaces on Huawei devices, covering settings like duplex mode and auto

Huawei shall not bear any responsibility for translation accuracy and it is recommended that you refer to the English document (a link

When you enable the electrical or optical interface, configure the interface attributes (such as the rate and duplex

AOC An active optical cable (AOC) is a fixed-length optical fiber with optical modules at both ends. It can be directly connected to an

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

Figure 3-15 Installing an optical module Route a fiber through the bottom of the socket. Remove the dustproof cap from the fiber

You can use a computer to complete initial configuration for your router on its web-based management page. Setup preparation:

When a Dubai data center operator discovered 37% lower latency using Huawei's "forgotten" OptiXtrans E6600 fiber switches

This guide explains how to configure the working mode of a combo interface on Huawei devices, including switching between

Select optical fibers of appropriate modes, quantity, and lengths according to the optical module types, number of ports to be

Huawei Switch Fiber Optic Configuration

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

As we speak I just have optic fibre (Community Fibre) connected to my Huawei modem / Linksys Velop which will be

Moduletek Labs takes Huawei S series switches as an example to show you the specific configuration and performance of switch

Web: <https://morwarreconst.co.za>

