

Huawei Layer 2 Switch Optical Port Configuration



Article Overview

Huawei Layer 2 switches support optical ports via SFP/SFP+ modules, allowing flexible uplinks, stacking, and high-speed connections with proper configuration and compatible transceivers.

Overview of Optical Ports

Huawei Layer 2 switches, such as the S5700, S5720, and S5735 series, provide optical ports for uplinks or stacking. These ports typically support 1G (SFP) and 10G (SFP+) transceivers, depending on the model. For example, the CloudEngine S5735-L-V2 series offers 24/48 GE downlink ports and 4 x 10GE SFP+ uplink ports, with some dual-purpose ports that can operate as either GE copper or SFP optical ports. Optical ports are used for high-speed connections between switches, servers, or other network devices, and they operate independently within separate collision domains.

Configuration and Monitoring

To configure or monitor optical ports on Huawei Layer 2 switches:

- Check port status: Use the command display interface to view link status, transceiver type, and traffic statistics. UP indicates a normal link.
- View transceiver details: Execute display transceiver interface verbose to check wavelength, received/transmitted optical power, and other operational parameters.
- Port shutdown check: If a port shows Administratively DOWN, it is disabled and m...

Article Content

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

Configure interface-based VLAN assignment on the switch for Layer 2 forwarding.
Configure the firewall as the gateway of users to

HUAWEI S Series Switch-Configure Connection Between a Layer 2 Switch ...

HUAWEI S Series Switch-Configure Connection Between a Layer 2 Switch and a Router video demonstrates how to connect a Layer

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

Layer 3 switches provide the routing function, which indicates a network-layer function in the OSI model. Layer 3 switches can work

Configuring Layer 2/Layer 3 Mode Switching on an Ethernet Interface ...

The mode switching function takes effect when the interface only has attribute configurations, such as shutdown and description

Checking the Interface Status and Configuration Parameters

Check the status and configuration parameters of the interfaces on the two ends. Ensure that the interfaces run properly and have

Switching an Interface Between Layer 2 and Layer 3 Modes

You can configure Layer 2 and Layer 3 modes of an Ethernet interface in the Ethernet interface view or system view. When the

Basic Interface Configuration Commands

IP configurations of interfaces that have IP addresses This command, however, cannot display the IP configurations of Layer 2

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

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

Ethernet Interface Configuration Commands

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

Layer 2/3 Port

Layer 2/3 Port In the navigation tree on the left, choose Advanced > LAN > Layer 2/3 Port. In the pane on the right, check whether

01-05 PORT ISOLATION CONFIGURATION

To isolate broadcast packets in the same VLAN but allow users on different interfaces to communicate at Layer 3, you can set the

Layer 2 Switching

A Layer 2 device works at the second layer of the OSI model and forwards data packets based on media access control (MAC)

Switching an Interface to Layer 3 Mode

Switch an interface to Layer 3 mode on Huawei devices with this technical guide for seamless network configuration and management.

Contact Us

For more information, pricing, or custom solutions, please contact us:

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

Email: sales@gmarkconstruction.co.za

Phone: +31-6-15-38-72-94

Address: Herengracht 456, 1017 BS Amsterdam, Netherlands

This document is for informational purposes only. Specifications subject to change without notice.

