

Huawei S5720 Switch Fiber Port Configuration



Overview

Huawei S3700, S5700 and S6700 Switches Support Guide, Manuals
S3700&S5700&S6700 Series S5720-52X-PWR-SI-AC: Access product manuals, HedEx documents, produc.

Key Takeaways

Huawei S5720 fiber ports can be configured using SFP modules on 100/1000BASE-X ports or combo ports, with only one port in a combo pair active at a time. Fiber Port Types and Combo Ports

The S5720 switch supports 100/1000BASE-X fiber ports and combo ports, which consist of one optical port and one electrical Ethernet port sharing the same internal forwarding path. Only one port in a combo pair can be active at a time; if the optical port is in use, the electrical port is automatically disabled, and vice versa. By default, combo ports operate in auto mode, selecting the first connected interface for data switching. If no module or cable is connected, the port type is determined by which interface is connected first .

Installing and Using SFP Modules

- Select compatible SFP modules: Ensure the optical module matches the switch specifications (e.g., 1000BASE-SX/LX) and the required distance (up to 10 km for standard modules under normal operating conditions).



- Insert the SFP module: Gently insert the module into the fiber port until it clicks into place.
- Connect fiber cables: Use LC connectors for standard SFP modules. Ensure proper polarity and clean connectors to avoid signal loss.
- Verify port status: Use the command display interface brief to check if the port is up and running.

Configuring Fiber Ports

- Enter system view:

```
system-view
```

- Select the interface:

```
interface GigabitEthernet 0/0/1
```

- Set port type (if needed):

```
port link-type access
```

or

```
port link-type trunk
```

- Assign VLANs (for access or trunk mode):

```
port default vlan 10
```

or

```
port trunk allow-pass vlan 10 20 30
```

- Enable the interface:

```
undo shutdown
```

- Verify configuration:

```
display interface GigabitEthernet 0/0/1
```

Additional Considerations

- Auto-negotiation: Fiber ports typically auto-negotiate speed and duplex; manual configuration is rarely needed unless troubleshooting.
- Stacking and uplinks: For high-speed uplinks, use the 10GE SFP+ ports if available on your S5720-HI model .
- Troubleshooting: If the port shows DOWN or ERROR, check module compatibility, fiber cable integrity, and ensure no other port in the combo pair is active . By following these steps, you can successfully configure and manage fiber ports on Huawei S5720 switches for both access and uplink purposes.

Article Content

S5720-52X-SI-48S

If the electrical port is connected by an Ethernet cable first, the electrical port is used for data switching. If the optical port has an

S5720-HI Datasheet (Detailed Version)

Huawei S5720 series Ethernet switches (S5720 for short) are next-generation energy-saving Gigabit Ethernet switches that function

S5720-SI Series Standard Gigabit Ethernet Switches

The S5720-SI series switches are standard Layer 3 Gigabit Ethernet switches that provide flexible full gigabit access and cost

S5720-SI Datasheet (Detailed Version)

The S5720-SI series switches (S5720-SI for short) are next-generation standard gigabit Layer 3 Ethernet switches that provide

S5720-SI Datasheet (Detailed Version)

S5720-SI Datasheet (Detailed Version) 1 Introduction Huawei S5720 series Ethernet switches are next-generation energy-saving

S5700 Series Switches Product Description (V200)

Huawei S5700 series Ethernet switches are next-generation energy-saving GE switches designed to provide high-bandwidth access

Ethernet Interface Configuration Commands

S1720, S2700, S5700, and S6720 V200R011C10 Command Reference This document describes all the configuration commands of

How to do Starting Configuration of Huawei Ethernet Switch S5735

In this video, we configure huawei network switch s5735 and S5700 series. first, go through the initial mode to access

Huawei S Series Switches Stack Guide—Version and Model

Ordinary cable connection: Switches use optical cables, network cables, and high-speed cables to set up a stack. Dedicated cable

S1720, S2700, S5700, and S6720 V200R011C10 Configuration Guide ...

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

S5720SI and S5720S-SI Service Port Stacking Support

If SFP+ optical ports of an S5720-14X-PWH-SI-AC have been configured as stack member ports but the switch needs to be

S5720-LI Series Simplified Gigabit Ethernet Switches

The S5720-LI supports Huawei EasyOperation which is a solution that provides zero-touch deployment, replacement of faulty

Related Video Reference

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

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

