Enabling the optical ports on the Huawei S5720S switch

Overview

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 optical module installed first, the optical port is used for data switching.

Key Takeaways

To enable the optical port on a Huawei S5720S switch, ensure the correct optical module is installed, verify port status, and configure the port using the combo-port command if needed. Steps to Enable the Optical Port1. Verify Optical Module Compatibility Ensure that the optical module matches the port type and fiber type.

Single-mode and multi-mode fibers or modules cannot be mixed, and the module's data rate must match the port (e.g., a 1000M port cannot use a 10G module). 2. Check Port Status Use the command display interface xgigabitethernet0/0/2 (replace 0/0/2 with the actual port number) to check if the port is administratively down.

If it shows Administratively DOWN, the port is disabled and must be enabled. 3. Configure the Combo Port (if applicable) Huawei S5720S switches often have combo ports that can operate as either electrical or optical.

By default, the port auto-selects based on which interface is connected first. To explicitly configure the port as optical, use the system view command: CodeCopysystem-viewinterface GigabitEthernet0/0/2combo-port optical This forces the port to use the optical interface for data switching. 4.

© 2026 CJC FIBRE CONSULTANTS - All rights reserved

Verify Optical Power and Connection Check the optical module's transmit and receive power using: CodeCopydisplay transceiver interface xgigabitethernet0/0/2 verbose Ensure the optical power levels are within normal range and the fiber is properly connected. 5. Restart the Switch if Necessary If both the electrical and optical interfaces are connected, the optical port may only become active after a switch restart.

6. Test Connectivity Perform a loopback test by connecting the fiber jumper to the same optical module to confirm the port is functioning correctly. Following these steps ensures the optical port on a Huawei S5720S switch is properly enabled and ready for data transmission.

Article Content

S5720S-28TP-PWR-LI-ACL

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 optical module installed first, the optical port is used for data switching.

Huawei S5720S-SI Service Manual

The S5720-SI series switches (S5720-SI for short) are next-generation standard gigabit Layer 3 Ethernet switches that provide flexible full gigabit access and cost-effective fixed GE ports and

Huawei S5700 Series Hardware Description

View and Download Huawei S5700 Series hardware description online. S5700 Series switch pdf manual download.

Optical Module Solutions for Huawei S5700/S5720 Series Switches

This article summarizes several solutions for using optical modules with switches and common problems encountered during usage, along with specific solutions.

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 setting up a new network segment or troubleshooting connectivity

Troubleshooting for Optical Modules on Huawei Switch

If the transmit power remains low, replace the optical module or install it in another optical port to check whether it is faulty. If the optical module is faulty, send it to ...

Huawei S5720-EI Series Switches Product Datasheet

© 2026 CJC FIBRE CONSULTANTS - All rights reserved

For a non-BIDI optical module, each optical interface must be configured with a Tx optical fiber and an Rx optical fiber of the same type. For a BIDI optical module, only one optical fiber needs to be

Optical Module Solutions for Huawei S5700/S5720 Series Switches

When using switches, we may encounter many confusions, such as what types of optical modules are needed for different models of Huawei switches, and how to resolve issues encountered

S5700 Series Switches Product Description (V200)

Enabling Networks to Be More Agile for Services The high-speed ethernet network processor embedded in the S5720-HI, S5730-HI, CloudEngine S5731-S, CloudEngine S5731S-S, CloudEngine S5731-H,

Groundbreaking SuperPoD Interconnect: Leading a New Paradigm ...

There is 100-ns-level fault detection and protection switching on optical paths, making any intermittent disconnections or faults of optical modules imperceptible at the application layer. We

Ethernet Interface Configuration Commands

S1720, S2700, S5700, and S6720 V200R011C10 Command Reference This document describes all the configuration commands of the device, including the command function, syntax, parameters, views,

Optical Access Architecture Reference Document: Huawei vs ZTE

switching capacity, per-slot bandwidth, PON port density, redundancy mechanisms, and environmental tolerances to establish a clear framework for strategic infrastructure investment.

Optical Network Equipment Out-of-Band Management

This document provides a comprehensive technical overview of the Optical Network Equipment Out-of-Band Management (OOB-M) solution. Designed for carrier-grade and enterprise network

Huawei S5720S-SI Service Manual

S5720-SI Datasheet (Detailed Version) 1 Introduction Huawei S5700 series Ethernet switches (S5700 for short) are next-generation energy-saving Gigabit Ethernet switches that function as the access

S5720-52X-SI-48S

© 2026 CJC FIBRE CONSULTANTS - All rights reserved

The S5720-52X-SI-48S has similar indicators to those of the S5721-28X-SI-24S-AC, except that the S5720-52X-SI-48S does not have an ETH management port. For details, see Indicator Description.

S5720-EI Series Enhanced Gigabit Switches

Introduction The S5720-EI series enhanced Gigabit Ethernet switches are switches that provide flexible GE access ports (including optical, electrical, and combo ports) and 10GE uplink ports. Built on next

S5700 Series Switches Hardware Description (V200)

10GE SFP+ port A 10GE SFP+ Ethernet optical port supports auto-sensing to 1000 Mbit/s. It sends and receives service data at 1000 Mbit/s or 10 Gbit/s. Table 4-1765 describes the attributes of a 10GE

Huawei S3700, S5700 and S6700 Switches Support Guide, Manuals

S3700&S5700&S6700 Series S5720-28P-LI-AC: Access product manuals, HedEx documents, product images and visio stencils.

Contact Us

Continue your research online:

Website: https://cjcconsultants.co.za
Technical inquiry: https://cjcconsultants.co.za/contact.html

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

© 2026 CJC FIBRE CONSULTANTS - All rights reserved