

Connect the fiber optic ports of 3 S5130 switches



AI Overview

Use compatible SFP/SFP+ transceivers in paired ports and connect the switches with fiber cables according to the transceiver type and distance requirements.

Step 1: Identify Fiber Ports and Transceivers The H3C S5130 switches feature 10GE SFP+ fiber ports for high-speed connections. These ports support various GE and 10GE SFP/SFP+ transceivers, including single-mode and bidirectional (BIDI) modules. For BIDI transceivers, each end must use complementary wavelengths (e.g., SFP-GE-LX-SM1310-BIDI on one end and SFP-GE-LX-SM1490-BIDI on the other) to ensure proper communication.

Step 2: Select Compatible Fiber Cables Single-mode fiber (SMF) is recommended for long-distance connections (up to 80 km depending on the transceiver). Multimode fiber (MMF) is suitable for shorter distances (typically up to 300–400 meters). Use LC-LC connectors for SFP/SFP+ modules. Avoid installing BIDI transceivers in adjacent ports if using long-distance modules to prevent interference.

Step 3: Connect the Switches Insert the appropriate SFP/SFP+ transceivers into the fiber ports of each switch. Connect the fiber cables between the switches, ensuring the transmit (TX) and receive (RX) directions match. For BIDI modules, the complementary wavelength pairing automatically handles TX/RX alignment. For three switches, you can create a triangle topology for redundancy: Switch A → Switch B, Switch B → Switch C, Switch C → Switch A. This ensures that if one link fails, traffic can reroute through the remaining links.

Step 4: Verify Link Status Check the system status LEDs on each switch to confirm the fiber ports are active. Use the switch CLI to verify the link: `display interface brief`. Ensure the SFP/SFP+ ports show up status and correct speed (10G).

Step 5: Best Practices Use H3C-certified transceivers and cables to ensure compatibility and reliability. Maintain proper cable management a...

Article Content

HPE FlexNetwork 5130 HI Series Configuration Manual

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H3C S5130S-EI Series Enhanced Gigabit Access Switches

H3C S5130S-EI series switches support innovative single-port multi-authentication function, the access authentication modes supported by different clients are different.

3 FAQs of Connecting Switches by Fiber Optical Ports

Switch optical port intercommunication means that the optical fiber ports of two switches are connected to each other to achieve the purpose of

H3C S5130 User Manual

Port numbering in examples The port numbers in this document are for illustration only and might be unavailable on your device.

All Kinds of Fiber Optic Patch Cords – SC, LC, FC, ST

Learn about SC, LC, FC, and ST fiber optic patch cords, their uses in FTTH, telecom, and data centers, and how to choose the right type.

switching

"Would I be able to daisy chain the L2 switches together using the SFP+ port with an Ethernet cable?" If the switches are ethernet switches, then the only cables you can use are ethernet

QFX5120 Switch Hardware Guide

You can connect a QX5120 switch only with another QFX5120 switch of the same model in a Virtual Chassis configuration. QFX5120 switches do not have dedicated or default Virtual

H3C S5130-30C-HI, S5130-34C-HI, S5130-54S-HI Installation Manual

The H3C S5130-34C-HI is a high-performance, fixed-configuration switch designed for enterprise and campus networks. It offers exceptional switching capacity, high port density, and advanced features

HPE FlexNetwork 5130 HI Switch Series

These switches provide Gigabit Ethernet access and can be used at the edge of a network or to connect server clusters in small data centers. High availability, simplified management, and comprehensive

Tp-link optical module is the real king! 20km gigabit single ...

"talk is cheap, but results speak for themselves! let's tackle those low-light issues, packet loss, and fiber connectivity woes that are giving you the jitters." Remember that late night when you finally

Small Form-factor Pluggable

Small Form-factor Pluggable connected to a pair of fiber-optic cables Small Form-factor Pluggable (SFP) is a compact, hot-pluggable network interface module

HPE FlexNetwork 5130 HI Switch Series data sheet

Product overview The HPE FlexNetwork 5130 HI Switch Series comprises Gigabit Ethernet switches that support static and RIP Layer 3 routing, diversified services, and IPv6 forwarding, as well as

Optical Distribution Frame (ODF): What It Is, How It Works, and Why It ...

Cable Management: Internal channels and tie points to guide fibers, ensuring they maintain minimum bend radii (critical for signal integrity). 2.2 Fiber Optic Adaptors (Couplers)

Connecting Network Switches via Fiber

Terminate your fiber optic cabling with two LC-style connectors or purchase a pre-terminated fiber optic cable with two LC-style connectors. When connecting

Connector and Cable Specifications

Table B-3 lists the cable specifications for the fiber-optic SFP module connections. Each port must match the wave-length specifications on the other end of the cable, and for reliable communications,

H3C Switches Install Guide: AI Chat & PDF Access | Manualzz

After you install the IRF member switches, power on the switches, and log in to each IRF member switch (see the fundamentals configuration guide for the switch series) to configure their member IDs,

How To Connect Cisco Switches With Fiber Super Fast!

Let's connect a Cisco switch and router using fiber cables for faster speeds! This simple tutorial demonstrates how to insert optical transceiver modules into the sfp ports.

H3C S5130 Series Ethernet Switch

****Safety and Environmental Standards:**** The switches are compliant with the EU RoHS safety standard, reflecting H3C's ironmental responsibility by restricting the u guarantee longevity and safety. The

How Are Network Switch Connect To Fiber

Learn how network switches connect to fiber optics for fast and reliable data transmission. Understand the benefits and considerations of this

H3C S5130S-EI SERIES INSTALLATION MANUAL Pdf

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H3C Technologies H3C S5130 Series Switches User Manual

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H3C SE-S5130 SERIES INSTALLATION MANUAL Pdf Download

Preparing for installation This document provides an installation guide for the SE-S5130 switch series. Table1-1 describes the switch models included in the switch series.

How to connect a new optic fibre to an ethernet switch

2- How to physically connect the new fibre to the main network switch in the house? (see bubble #1?) 3- How to safely run the optic fibre in the garden? How deep to burry it? what sort of

Contact Us

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