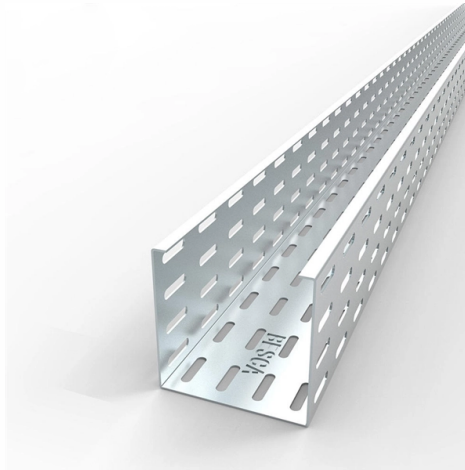


How to find the two optical ports on a switch



AI Overview

Optical ports on a switch are typically SFP or SFP+ slots, often labeled on the switch panel, and can be identified physically or via CLI commands.

Physical Identification Look for SFP/SFP+ Slots: Optical ports are usually small rectangular slots labeled as SFP, SFP+, or Fiber on the switch panel. They may be grouped together and sometimes marked with port numbers. On some switches, these ports are part of combo ports, which share a port number with an RJ45 Ethernet interface but cannot be used simultaneously.

Check the Switch Documentation: The switch model's datasheet or manual often shows the exact location of optical ports and their numbering.

Visual Inspection: Ensure the ports are free of dust or debris and check for any pre-installed transceivers. Optical ports are designed to accept fiber optic modules, unlike standard copper Ethernet ports.

Using Command Line Interface (CLI)

Access the Switch: Connect via console cable, Telnet, or SSH and log in with appropriate credentials.

Identify Fiber Ports: On Cisco switches, use `show interface status`. Look for interfaces labeled Fiber or Gi (Gigabit Ethernet) that correspond to SFP slots.

For detailed transceiver info: `show interface transceiver` or `show fiber-ports-optical-transceiver`. This displays port number, optical power, temperature, and signal status.

On Extreme or Other Brands: Commands like `sfpShow` (HPE/Aruba) or `show fiber-ports optics` (Netgear/Arista) list installed SFP modules, their type, wavelength, and operational status.

Verifying Connectivity Connect a fiber optic cable to the port and check the link status. A status of up indicates the port is operational. Use Digital Optical Monitoring (DOM) or a fiber optic power meter to measure transmit and receive power if needed.

Notes on Combo Ports If the optical port is part of a combo port, activating the RJ45 interface...

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This document uses the Moduletek SFP-10G-LR-BIDI optical module installed on an Extreme X690-48x-2q-4c switch as an example to demonstrate how to view port status and optical

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By reading internal parameters of optical transceivers on switches, users can monitor link status, real-time transmit/receive power, operating temperature and other data. It also verifies coding

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Use the command display transceiver to view the optical module information of all optical ports, and use the command display transceiver interface interface-type interface-number to view the

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