2960 Optical Module Enabled



Overview

Catalyst 2960 Switch Hardware Installation Guide The Catalyst 2960-Plus 24PC-L, 2960-24PC-L, 2960-Plus 48PST-L, 2960-48PST-L, 2960-Plus 48PST-S, 2960-48PST.

Key Takeaways

Catalyst 2960 switches support SFP modules for fiber-optic and copper uplinks, which can be enabled and configured via the Cisco IOS CLI, ensuring compatibility and proper interface settings.

SFP Module Overview

The Cisco Catalyst 2960 series uses SFP (Small Form-factor Pluggable) modules for fiber-optic and copper uplink ports. These modules are hot-swappable and allow flexible connectivity options, including short-range (SX), long-range (LX/LH), extended-range (ZX), and copper (1000Base-T) SFPs. Dual-purpose ports can accept either standard RJ-45 Ethernet or SFP modules, but only one medium can be active at a time.

Enabling SFP Ports

Verify Compatibility: Check the switch release notes or Cisco's SFP compatibility matrix to ensure the module is supported for your 2960 model. Insert the Module: Hot-swap the SFP into the designated uplink port. Avoid looking directly into fiber connectors due to laser radiation.

Configure the Interface: Use the Cisco IOS CLI: CodeCopyenableconfigure terminalinterface gigabitEthernet1/0/49media-type sfpno shutdown This forces the port to use the SFP module and activates it.

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Troubleshooting Error-

Disabled Ports

If the port shows “Port is error disabled” or the link light remains off: Check Logs: Use show logging or show log | i int gi1/0/49 to identify the reason for the error.

Shut/

No Shut: Temporarily disable and re-enable the interface to reset the port.

Third-

Party Modules: Some non-Cisco SFPs require enabling support via configuration or may not be fully compatible. Firmware: Ensure the switch IOS version supports the SFP module; older firmware may not recognize newer transceivers.

Best Practices

Backup Configurations: Before enabling or moving SFP modules, back up the switch configuration. Maintenance Window: Schedule changes during low-traffic periods if firmware updates or major configuration changes are needed. Power Considerations: Confirm that the switch's power budget can support all installed SFPs, especially if using PoE features.

By following these steps, you can safely enable, configure, and troubleshoot SFP optical modules on a Cisco Catalyst 2960 switch, ensuring stable uplink connectivity and network performance.

Article Content

Catalyst 2960 Switch Hardware Installation Guide

The Catalyst 2960-Plus 24PC-L, 2960-24PC-L, 2960-Plus 48PST-L, 2960-48PST-L, 2960-Plus 48PST-S, 2960-48PST-S, 2960-Plus 24PC-S, and 2960-24PC-S

SFP Module Ports, Dual-Purpose Ports | Cisco WS-C2960-24-S

The SFP module slot on a dual-purpose port uses SFP modules for fiber-optic and copper uplink ports. See the Catalyst 2960 switch release notes for a list of supported SFP modules.

SFP Module Ports, Dual-Purpose Ports | Cisco Systems 2960 manual

The SFP module slot on a dual-purpose port uses SFP modules for fiber-optic and copper uplink ports. See the Catalyst 2960 switch release notes for a list of supported SFP modules.

Installing and Removing SFP Modules | Cisco WS-C2960G-48TC-L

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These field-replaceable modules provide the uplink optical interfaces, laser send (TX) and laser receive (RX). You can use any combination of SFP modules. Refer to the Catalyst 2960 switch release notes

How to Configure Cisco 2960X SFP Modules?

Configuring Cisco 2960X SFP modules involves verifying compatibility, installing the modules correctly, and configuring the interface using the Cisco IOS command-line interface (CLI) to

CISCO 2960-S HARDWARE INSTALLATION MANUAL

C H A P T E R Product Overview The Catalyst 2960-S family of switches, also referred to as the switch, are Ethernet switches to which you can connect

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Each Cisco module has an internal serial EEPROM that is encoded with security information. This encoding provides a way for Cisco to identify and validate that the module meets the requirements

Connecting to Fiber-Optic SFP Modules | Cisco Systems 2960

Step 1 Remove the rubber plugs from the module port and fiber-optic cable, and store them for future use. Step 2 Insert one end of the fiber-optic cable into the SFP module port (see Figure 2-17).

Catalyst 2960-X and 2960-XR Switch Hardware

The FlexStack-Extended Fiber module has two SFP+ module ports. The SFP+ port enables long-reach stacking using standard multimode LR

Cisco Catalyst 2960 Series Switches

Cisco Catalyst 2960 Series Switches - Some links below may open a new browser window to display the document you selected.

Catalyst 2960-X Switch Hardware Installation Guide

Inspect the SFP module. Exchange the suspect module with a known good module. Verify that the module is supported on this platform. (The switch release notes on Cisco list the SFP

Catalyst 2960 Switch Hardware Installation Guide

See the Catalyst 2960 switch release notes for a list of supported SFP modules. Note The auto-MDIX feature is enabled by default. For configuration information for this feature, see the switch

Catalyst 2960-X and 2960-XR Switch Hardware Installation Guide ...

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Cisco 40-Gigabit QSFP+ Transceiver Modules Installation Note Cisco Catalyst 2960-X and 2960-XR Switches now support QSFP-4X10G-AOC5M, the 40GQSFP to four 10G SFP+ direct

Cisco Catalyst 2960-X and 2960-XR Series Switches

This data sheet describes the benefits, specifications, and ordering information for the Cisco Catalyst 2960-X Series Switches.

Cisco Catalyst 2960-X Series Switches

The Cisco Catalyst 2960-XR models offer all the features of the Cisco Catalyst 2960-X. In addition, they introduce Layer 3 routing functionality for the first time in the Cisco Catalyst 2960 Series. They also

Cisco Catalyst 2960-X and 2960

Cisco Network Plug and Play is supported using the Cisco Application Policy Infrastructure Enterprise Module (APIC-EM) and DNA Center on Cisco Catalyst 2960-X and 2960-XR Series Switches. This

10gig SFP+ as an access port for 2960x

I have a need to have a 10gigbit access port on a 2960x 24ts-l running 15.2(6). With the proper SFP+, is it possible to configure a port this way?

Microsoft Word

Cisco Catalyst 2960-SF Series Switches The Cisco® Catalyst® 2960-SF Series of Fast Ethernet switches (Figure 1) provides enterprise-class Layer 2 switching for branch and midsized campus

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Technical inquiry: https://fdsoluciones.es/project-enquiry.html

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

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