How to configure the optical port on a 3750g switch

Overview

Cisco Catalyst 3750 Series Switches Cisco Catalyst 3750 Series Switches - Some links below may open a new browser window to display the document you select.

Key Takeaways

To configure an optical (SFP) port on a Cisco 3750G switch, you need to install a compatible SFP module, connect the fiber cable, and configure the interface via CLI or GUI. Step 1: Install the SFP ModulePower off the switch if possible, though hot-swapping is supported for most SFPs. Remove the protective dust plug from the SFP port.

Insert the SF

P module into the port until it clicks into place. Ensure the module is compatible with the 3750G switch (e.g., Cisco GLC series SFPs) and matches the fiber type (single-mode or multi-mode) and speed (1 Gbps) requirements. Step 2: Connect the Fiber CableRemove the dust plugs from both the SFP module and the fiber cable connectors.

Connect the fiber cable to the SFP module, ensuring proper alignment of transmit (TX) and receive (RX) fibers. Verify that the link LED on the switch port lights up, indicating a physical connection. Step 3: Configure the Interface via CLIAccess the switch CLI through the console port, Telnet, or SSH.

© 2026 CJC FIBRE CONSULTANTS - All rights reserved

Enter global configuration mode: CodeCopyenableconfigure terminal Select the SFP interface (for example, GigabitEthernet1/1): CodeCopyinterface GigabitEthernet1/1 Enable the interface: CodeCopyno shutdown Assign an IP address if needed (for routed SVI or Layer 3 configuration): CodeCopyip address 192. 168. 1.

2 255. 255. 255.

0 Optionally, configure VLAN membership if the port is used as a Layer 2 interface: CodeCopyswitchport mode accessswitchport access vlan 10 Exit configuration mode and save: CodeCopyendwrite memory Step 4: Verify the ConfigurationCheck interface status: CodeCopyshow interface GigabitEthernet1/1 status Confirm the SFP module is recognized: CodeCopyshow inventoryshow module Test connectivity with ping or by connecting to the remote device.

Additional Notes

Avoid frequent removal and insertion of SFP modules to prevent damage.

Use Cisco-supported SF

Ps to ensure compatibility and proper operation. For advanced configuration, such as trunking or spanning-tree settings, refer to the Catalyst 3750 Software Configuration Guide. By following these steps, the optical port on a Cisco 3750G switch can be properly installed, connected, and configured for either Layer 2 or Layer 3 operation.

Article Content

Cisco Catalyst 3750 Series Switches

Cisco Catalyst 3750 Series Switches - Some links below may open a new browser window to display the document you selected.

Catalyst 3750 Switch Getting Started Guide

After you complete Express Setup and install the switch in your network, use the device manager or other management options described in this section for further configuration.

CISCO CATALYST 3750G GETTING STARTED

It offers advanced options for configuring and monitoring multiple devices, including switches, switch clusters, switch stacks, routers, and access points. Network

Cisco WS-C3750G-24TS-S1U | Getting Started Guide

For information about configuring and monitoring PoE ports, see the switch software configuration guide. For information about troubleshooting PoE problems, see the Catalyst 3750 Switch Hardware

© 2026 CJC FIBRE CONSULTANTS - All rights reserved

CISCO CATALYST 3750 GETTING STARTED

For alternate mounting procedures, such as installing the switch in a 24-inch rack or on a wall, and for additional cabling information, see the Catalyst 3750 Switch

BASE-FX Ports, SFP Module Slots

You can connect a 100BASE-FX port to an SC or ST port on a target device by using one of the MT-RJ fiber-optic patch cables that are listed in Table B-1 on page B-3.

Cisco Systems 3750G User Manual

This guide provides instructions on how to use Express Setup to initially configure your Catalyst 3750G Integrated Wireless LAN Controller switch.

Catalyst 3750 Switch Software Configuration Guide

This guide provides procedures for using the commands that have been created or changed for use with the Catalyst 3750 switch. It does not provide detailed information about these commands.

Catalyst 3750 Switch Getting Started Guide

This guide provides instructions on how to use Express Setup to initially configure your Catalyst switch. Also covered are switch management options, basic rack-mounting procedures,

Catalyst 3750 Software Configuration Guide, Release 12.2 (55)SE

You can configure a port as an access port or trunk port or let the Dynamic Trunking Protocol (DTP) operate on a per-port basis to set the switchport mode by negotiating with the port on

Installation Notes for the Catalyst 3750-X and 3560-X Network ...

Installing Network Modules Note Although network modules are hot-swappable, we recommend installing a network module before powering the switch. Note The switch can operate

Switches: Support and Downloads

Cisco Category page for supported Switches - Support Documentation, Downloads, and End-of-Life status.

Catalyst 3750 Switch Software Configuration Guide, 12.2(52)SE

Configuring Web Cache Services By Using WCCP Configuring Fallback Bridging Troubleshooting Configuring Online Diagnostics Configuring the Catalyst 3750G Integrated Wireless

© 2026 CJC FIBRE CONSULTANTS - All rights reserved

How to Configure a Cisco 3750?

Cisco Catalyst 3750 is a wireless local area network (LAN) controller switch designed for use in commercial or other large-scale networks. It sports 24 Ethernet ports and supports

Catalyst 3750 Switch Software Configuration Guide, 12.2 (52)SE ...

To configure a physical interface (port), specify the interface type, stack member number, module number, and switch port number, and enter interface configuration mode.

Catalyst 3750 Switch Software Configuration Guide,

All ports on the residential Catalyst 3750 switches (and Catalyst 2950 LRE switches if they are included) are configured as IEEE 802.1Q trunks with

Catalyst 3750-X and 3560-X Hardware Installation Guide

SFP and SFP+ Mod ules Figure B-3, Figure B-4, and Figure B-5 show the SFP module connectors. The Catalyst 3560-X switch supports the SFP mod ule patch ca ble, a 0.5-meter, copper,

Cisco Catalyst 3750 Switch Hardware Installation Guide

Cluster Management Suite—Launch the CMS, through which you can configure and monitor a switch or switch clusters, display network topologies to gather link information, and display switch images to

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