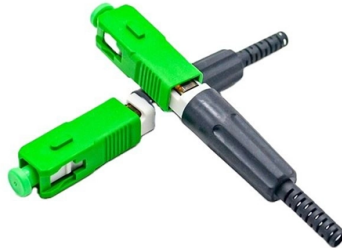


Configure Huawei switch fiber optic interface to turn



Overview

If the local combo optical interface is connected to a remote optical interface, configure the combo interface to work in fiber mode.

Key Takeaways

To enable a Huawei switch fiber optic interface, configure the interface to optical mode using the appropriate combo or port commands and ensure the remote interface matches the mode. Steps to Configure Fiber Optic Interface1.

Identify the Interface Type

Determine if the interface is a combo interface (supports both copper and fiber) or a dedicated fiber port. Use the command display interface brief to list interfaces and their current modes. 2.

Switch Combo Interface to Fiber Mode

Enter system view: CodeCopysystem-view Enter the interface view for the target port: CodeCopyinterface gigabitethernet 1/0/4 Enable fiber mode for a GE combo interface: CodeCopycombo enable fiber To revert to electrical mode: CodeCopyundo combo enable fiber For 10GE combo interfaces, use: CodeCopyport combination-mode 10GE interface interface-name and to revert: CodeCopyundo port combination-mode 10GE interface interface-name Ensure the remote device interface is configured in the same mode; otherwise, the interfaces will not communicate. 3.

Configure Interface Attributes

Set speed and duplex mode if required: `CodeCopy speed 1000 duplex full` For auto-negotiation, leave the interface in auto mode. If using a dedicated optical module, the interface may automatically detect the module and switch to fiber mode after a restart. 4.

Verify Configuration

Check the interface status: `CodeCopy display interface gigabitethernet 1/0/4` Look for **FORCE FIBER** to confirm the interface is operating in optical mode. 5.

Save Configuration

Save the configuration to ensure it persists after a reboot: `CodeCopy save` 6.

Additional Considerations

If using high-bandwidth interfaces (e.g., 40GE), you may need to configure interface split to divide the port into multiple 10GE interfaces. After splitting, save and restart the switch for the configuration to take effect. Ensure the optical module type and wavelength match the remote device for proper communication.

By following these steps, the Huawei switch fiber optic interface will be correctly configured and operational.

Article Content

Example for Configuring a Combo Interface

If the local combo optical interface is connected to a remote optical interface, configure the combo interface to work in fiber mode. If the local combo interface is configured to work in a

Ethernet Interface Configuration Commands

You can configure the MultiGE interface on the Huawei switch to work in slave mode (the interface on the Cisco AP works in master mode). The two interfaces then can negotiate to work in the highest

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Enter the interface view and run the following commands: • Switch to optical mode: `combo enable fiber`. • Restore default electrical mode: `undo combo enable fiber`. Enter system view,

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To isolate both Layer 2 and Layer 3 packets on interfaces unidirectionally, run the port-isolate mode all command. Precautions An interface can be unidirectionally isolated from anoWhen you enable the

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Full text of "NEW" See other formats Word . the, > < br to of and a : " in you that i it he is was for - with) on (? his as this ; be at but not have had from will are they -- ! all by if him one your or up her there

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Troubleshooting S Series Switch Port and Interface Problems This document describes how to check the switch interface or port status and how to locate an interface physically down fault and restore the

Enabling or Disabling an Interface

After modifying parameters of an interface, run the shutdown and undo shutdown commands, or run the restart command to make the modification take effect. If an interface is not connected to a cable or a

single-fiber enable

CX11x, CX31x, CX710 (Earlier Than V6.03), and CX91x Series Switch Modules
V100R001C10 Command Reference 17 This document provides the configuration commands of each feature

CLI Overview Commands

Precautions If a configuration parameter uses the default value, this parameter is not displayed. Configurations for functions that do not take effect are not displayed. If you run the display this

Interface Configuration

Choose LAN > Interface Configuration. The Interface Panel page is displayed. Select the interfaces to configure on the Interface Panel page, as shown in Figure 4-19. Click the interface icon to select a

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To configure a password on the switch Web interface, click Setup Network > User Management and enter the Current Password. Define a New Password and reenter it in the Confirm New Password field.

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