

Enabling Fiber Optic Ports on Huawei Switches



Article Overview

Huawei switches can enable fiber optic ports by ensuring module compatibility, switching combo interfaces to fiber mode, and activating any required licenses for high-speed ports.

1. Verify Optical Module Compatibility

Before enabling fiber ports, ensure that the optical modules are Huawei-certified. Non-certified modules may cause transmission issues or service instability. Certified modules typically display "HUAWEI" on the label, and the switch can recognize them via commands like `display transceiver` or `display elabel`. Also, match the module type with the port speed (e.g., do not use a 10G module on a 1G interface) and ensure single-mode/multimode fibers are not mixed.

2. Enable Fiber on Combo Interfaces

Some Huawei switches have combo interfaces that support both electrical and optical connections, but only one can be active at a time. To switch a combo port to fiber mode:

- Enter system view: `system-view`
- Enter interface mode: `interface GigabitEthernet0/0/0` (replace with your port)
- Enable fiber mode: `combo enable fiber`
- To revert to electrical mode: `undo combo enable fiber`
- Apply the same configuration on the peer device to ensure connectivity. After swi...

Article Content

Ethernet Interface Configuration Commands

This page provides configuration commands for Ethernet interfaces on Huawei devices, covering settings like duplex mode and auto

Troubleshooting for Optical Modules on Huawei Switch

Check whether the optical module is Huawei-certified. If it is not certified by Huawei, replace it with a Huawei certified one. Remove

Installing Optical Transceivers and Connecting Optical Fibers

Installing Optical Transceivers and Connecting Optical Fibers This section describes how to install optical transceivers on the SFP or

Installing Optical Modules and Connecting Optical Fibers

Remove dust plugs from the optical modules and insert fiber connectors into the corresponding optical ports. After verifying that all

CONNECTING YOUR HOME TO FIBRE

Connecting fibre at a home like yours – one that has already had the installation completed – is very simple because the physical

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

Connecting Optical Fibers

Attach temporary labels to both ends of each optical fiber and number them corresponding to port numbers. Remove the dust plugs

Troubleshooting for Optical Modules on Huawei Switch

Check whether the fiber between the two ports is damaged. Use optical modules with a longer transmission distance on the two

Connecting Optical Fibers

To connect them, align the fiber connector with the bores on the optical module and insert the fiber connector. When you hear a click,

single-fiber enable

The single-fiber enable command enables the single-fiber communication function on an optical interface. The undo single-fiber

How To Switch Optical/Electrical Mode On Huawei Router Combo Ports

A Combo port, also known as an optical-electrical multiplexing port, consists of one optical port and one electrical port

Connecting Optical Fibers

Before deploying optical fibers, test optical fiber connectivity. Before connecting cables, take ESD protection measures, for example,

Huawei Fiber Optic Switches in 2024: Beyond the CloudEngine Hype

When a Dubai data center operator discovered 37% lower latency using Huawei's "forgotten" OptiXtrans E6600 fiber switches

Contact Us

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