

# How to configure the optical port of the access switch



## AI Overview

To enable an optical port, you need to activate the port in configuration mode, ensure the SFP module is supported, and verify the link and fiber connectivity.

**Step 1: Enable the PortConnect to your switch via SSH, Telnet, or console cable.** Check the port status with `show interface status` to identify disabled ports. Enter configuration mode: `CodeCopyenableconfigure terminalinterface no shutdown` Replace with the specific port, e.g., `Gi1/0/1`. Save the configuration with `copy running-config startup-config` to retain changes after a reboot.

**Step 2: Handle Third-Party Optical Modules** Cisco switches may block non-Cisco SFPs by default. To allow third-party modules: `CodeCopyservice unsupported-transceiver no errdisable detect cause gbic-invalid` `copy running-config startup-config` This disables validation and allows the module to link up. For Aruba switches, use: `CodeCopysystem-view allow-unsupported-transceiver` Then reconnect the module for recognition. **Note:** Using unsupported modules may void warranty or support.

**Step 3: Verify SFP Compatibility and Link** Ensure the SFP type matches the port capabilities and speed. Use: `CodeCopyshow idprom interface show interface capabilities` This confirms the transceiver type, speed, and connector type. Check fiber type, polarity, and connector polish to avoid link issues.

**Step 4: Troubleshoot Link Issues** If the port LED is not green or the link is down, verify: `Correct fiber type and length Proper RX/TX orientation Supported SFP module` Use commands like `show media` and `show interface` to check link status and optical parameters. By following these steps, the optical port should be enabled, the SFP recognized, and the link operational.

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