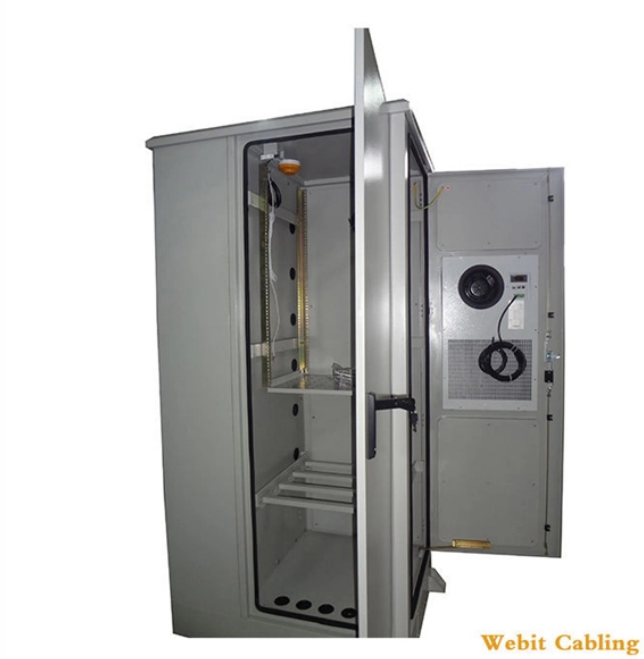
# How to check the optical port speed of a switch




## Overview

Execute the following command to view detailed interface and optical module status: show interface <interface-type> <interface-number>Execute the following command to view detailed interface and optical module status: show interface <interface-type> <interface-number>When optical modules operate on a switch, it is usually necessary to read the module's internal information to understand its working status—such as connection status and real-time metrics like optical power and temperature. Additionally, identifying module information helps detect coding. This guide gives a practical, CLI-focused workflow for checking SFP health and diagnostics on Cisco switches, shows the exact commands you'll use, explains what the numbers mean, and compares OEM (Cisco) vs third-party modules so you can pick the right SFP module supplier for reliability and cost. Display diagnostics data and alarms for Gigabit Ethernet optical transceivers (SFP, SFP+, XFP, QSFP+, or CFP) installed in EX Series Switches or QFX Series Switches. The information provided by this command is known as digital optical monitoring (DOM) information. The Cisco Small Business Series Switches allow you to plug in a Small Form-factor Pluggable (SFP) transceiver in their optical modules to connect fiber optic

cables. The ethtool command enables you to query or control the network driver and hardware settings. It takes the device name (like swp1) as an argument. See man ethtool(8) for details. Not all. Cisco switches support Digital Optical Monitoring (DOM), also called DDM, which provides real-time monitoring of: Understanding these metrics helps engineers detect degradation early, even if basic connectivity tests pass. For Catalyst enterprise switches:.

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An important factor is to make sure that Cisco-compatible transceivers are fully compatible with your Cisco switch. ... This can be done by searching the Cisco switch hardware ...

This guide gives a practical, CLI-focused workflow for checking SFP health and diagnostics on Cisco switches, shows the exact commands you''ll use, explains ...

By checking module health, compatibility, and digital diagnostics, you can quickly confirm correct installation, detect optical problems, and maintain accurate hardware inventory.

This guide gives a practical, CLI-focused workflow for checking SFP health and diagnostics on Cisco switches, shows the exact commands you''ll use, explains what the numbers mean, and compares ...


Learn how to monitor SFP optical power on Cisco switches, interpret Tx/Rx levels, and troubleshoot fiber link issues. Step-by-step CLI commands, model-specific guidance, and best practices included.

Use this command without operands to display a summary of all SFPs in the switch. For each port, the summary displays the SFP type and, for serial ID SFP, the vendor name and SFP, serial number, ...

This article provides instructions on how to view the Optical Module Status on your switch through the Command Line Interface (CLI).

Additionally, identifying module information helps detect coding compatibility between the module and the switch. The following introduces the specific operations to view the working status ...

The output of ethtool swpXX shows the port settings stored in the kernel. The switchd process keeps the hardware and kernel in sync for the important port settings (speed, auto-negotiation, and link ...

You can check the port speed on a Cisco network switch from its command-line interface (CLI) by logging into the switch and then issuing the show interface command.

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