

Check the temperature of the optical module on the switch



Overview

When you run the transceiver detail command you'll see values like: Tx Power (dBm) — optical power the module emits. Temperature (°C), Voltage (V), Laser Bias Current (mA) — module. When the optical module on an interface is faulty, you can run the display commands to view information about the optical module. Related Information Video Identify a Huawei-Certified Optical Module Run the display transceiver [interface interface-type interface-number | slot slot-id] [verbose]. 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 article provides instructions on how to view the Optical Module Status on your switch through the Command Line Interface (CLI). 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. Checking an SFP module is a routine task in network operations.

Article Content

How to view the optical module status on a switch 210?

Hey guys, I don't think that guide is going to help with the 210 series, that guide focuses on the fastpath switches instead, those have a different OS all together.

Ultimate Guide to SFP Module Temperature

Ultimate guide on managing SFP module temperature. Learn causes, monitoring, cooling methods, and maintenance to prevent overheating and

Open Hardware Monitor

The Open Hardware Monitor is a free open source software that monitors temperature sensors, fan speeds, voltages, load and clock speeds of a

16 Tips to Troubleshoot Your Optical Transceiver Issues

SFP module not powered on: Please check whether the optical transceiver is inserted correctly into the switch slot and whether it is turned on.

How To View Port Status And Optical Module Information On

This document uses the Mduletek SFP-10G-LR-BIDI optical module installed on an Extreme X690-48x-2q-4c switch as an example to demonstrate how to view port status and optical

Displaying Optical Module Information

The temperature monitoring systems of some non-Huawei-certified switch optical modules do not comply with industry specifications, and so a high temperature is obtained.

What is DDM/DOM? Optical Module Monitoring & Troubleshooting 2026

Master DDM/DOM in optical modules. Learn how to monitor Tx/Rx power, temperature, and predict failures in enterprise, data center, and 800G AI networks.

How To View Port Status And Optical Module Information On Cisco

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

How to Check SFP Module: Testing and Compatibility

Learn how to check an SFP module using Cisco commands, diagnostics, and compatibility checks. Step-by-step guide to test SFP optics and

SFP Module Troubleshooting: DDM Data and Common Issues

Learn how to read SFP DDM diagnostics to troubleshoot fiber optic link issues. Temperature, voltage, TX power, and RX power thresholds explained.

Optical Module Application: Common Problems & Troubleshooting

1. Check compatibility between the optical module and switch Most switch brands have specific compatibility requirements, especially when using third-party optical modules. First verify that

How To Read Optical Module Information On H3C Switches

Optical modules are widely used in switches, network cards, routers, and other communication equipment. Reading optical module information during use helps understand its real-time operating

View the Optical Module Status on a Switch through the Command

Learn how to check SFP module health on Cisco switches. This guide covers essential CLI commands (show inventory, DOM), fixes for "unsupported

How To View Port Status And Optical Module Information On EXTREME Switches

When optical modules are installed on switches, it is necessary to read internal module parameters to monitor operating status, including link connectivity, real-time transmit/receive optical

Tech Talk - View the Optical Module Status on a Switch with CLI

In this edition of Cisco Tech Talk, I'll show you how to view the optical module status on a switch through the Command Line Interface also referred to CLI.

Exploring the Operating Temperatures of Optical Transceivers

Optical modules usually have different temperature grades, which are suitable for commercial, extended and industrial environments. When the operating temperature of an optical

Understanding Optical Transceiver Operating

Industrial Temperature (-40-85°C): Used in outdoor, remote mountainous areas, tunnels, and other environments with significant temperature

How To View Port Status And Optical Module Information On MELLANOX Switches

Optical modules work on the switch usually need to read the internal information of the module to understand its working status, such as module connectivity and real-time collection of

How To View Port Status And Optical Module

When an optical module is running on a switch, it is often necessary to read its internal information to check the operating status, including link status, real-time

Optical Transceiver Manufacturer,What should we do if the temperature ...

In the 5G bearer optical module white paper, it is mentioned that the 5G fronthaul AAU side optical module involves outdoor applications. The outdoor temperature is changeable and the working

View the Optical Module Status on a Switch

Article ID:5508 View the Optical Module Status on a Switch Objective The Cisco Small Business Series Switches allow you to plug in a Small Form-factor Pluggable (SFP) transceiver in

Teach you to read the DDM information of the optical

Next, we will introduce the query instructions of relevant parameters of optical module, and view the DDM information of interface optical modules

Displaying Optical Module Information

The working temperature range of the optical module does not meet requirements, causing the optical power to be reduced at a high temperature. Subsequently, services are interrupted.

View the Optical Module Status on a Switch through the Command

Once the transceiver and fiber optic cable are plugged in properly in the switch optical module, you should be able to view the current information for the optical connection, which helps you manage

Cisco Command to Check SFP Module Details

Introduction - Why Checking SFP Status Matters In every enterprise network, Small Form-factor Pluggable (SFP) modules play a critical role. They

Checking the Optical Module Type

The selected optical modules must be supported by the optical interfaces. Check whether the optical module used on the switch is certified by Huawei switches. For the Huawei-certified optical modules,

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