

The switch only shows the optical signal



Overview

If possible, remove and reinstall the optical modules to check whether the fault is rectified. 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. Once the transceiver and fiber optic cable are plugged in properly in the switch optical module, the Optical Module Status page of. If the same port with the same optical module has link, then I do get a proper readout of the optical monitor command (tx power / rx power / temps / current). Being able to monitor a non-working link is a pretty basic thing to do to be honest and having access to DDM/DOM/optical monitoring of down. We are experiencing issues with our optical ports between. Hello, from your output I can't see which type of QSFP you have installed, your QFX discovers. 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. The usual “show port 47 transceiver information detail” will only show the media type (SX/LX/.



Article Content

Feb 07, 2026

All-Optical Switching Tutorial, Part 1

The second tutorial covers optical switching fabric. In particular, it shows how different sizes and types of switch require different methods of routing light through their cores.

Aug 17, 2025

Lights on SFP on one side but not the other? : r/networking

Are you saying that the switch/transceiver reports that it is receiving light on the fiber being used for Rx? If light is getting from A to B on one fiber but not the other, it's very possible you have a dirt, dust, or

Mar 05, 2026

FS Community

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

May 19, 2026

Audio Science Review (ASR) Forum

Audio Reference Library Formal educational posts and articles on science and engineering of digital audio. Only site admin can create new threads. But anyone can comment.

Sep 11, 2025

Your Sustainability Transformation Partner | Fujitsu Global

Our purpose: Make the world more sustainable by building trust in society through innovation.

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Optical Switches 101: A Beginner's Guide

An optical switch is a device that can selectively switch an optical signal from one path to another. The basic principle behind an optical switch is to control the direction of light propagation through various

Nov 10, 2025

Fiber ONT Troubleshooting | BroadbandSearch

An optical network terminal (ONT) is a device that converts fiber-optic light signals from your internet service provider into electrical signals that your home network equipment can use. It

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Troubleshooting and Repairing Optical Transceiver Failures in

What tools are needed for SFP troubleshooting? The main tools needed will always be an optical power meter, a fiber optic cleaning kit, a visual fault locator, and access to the switch CLI

Oct 01, 2025

show interfaces diagnostics optics | Junos OS | Juniper Networks

show interfaces diagnostics optics xe-0/1/0 (SFP+ Transceiver) user@switch> show interfaces diagnostics optics xe-0/1/0 Physical interface: xe-0/1/0 Laser bias current : 4.968 mA Laser output

Apr 22, 2026

Showing DDMI optical values in X450e that's not su...

I've come across a way to read the optical receive values in X450e switches, something Extreme has told us won't work. The usual "show port 47 transceiver information detail" will only show the media

Oct 28, 2025

Optical ports not working | Switching

It may be that we are using old firmware (14.1X53-D27.3) on our QFX switch. Once this issue start happening, we have plugged and unplugged the transceivers at both ends, changed the ports and in

Jan 10, 2026

Optical Switches | How it works, Application & Advantages

Understanding Optical Switches Optical switches, a key component in modern network infrastructure, are devices used in optical fiber networks for

Apr 22, 2026

Troubleshooting Your Optical Transceiver: A

Optical transceivers play a crucial role in modern data communication networks, enabling the transmission and reception of optical signals across fiber

Feb 03, 2026

Optical Cable Not Working? 6 Proven Ways To Fix It

We have compiled a list of 6 fixes to help you solve the problem of optical cable not working. Let's dive straight into them.

Oct 26, 2025

Fibre link only on one side

I'm experiencing issues with the fibre link between two buildings. On one side, I have a UMC-GA1f2T media converter using an SFP1G-SX-85 module.

Jan 12, 2026

Optical Module Solutions for Huawei S5700/S5720 Series Switches

When using switches, we may encounter many confusions, such as what types of optical modules are needed for different models of Huawei switches, and how to resolve issues encountered

Jan 24, 2026

Checking the Optical Module Type

When an uncertified optical module is installed into a switch, the switch reports an alarm. When certifying an optical module, Huawei switches comprehensively verify optical module functions to

Dec 07, 2025

Troubleshooting Optical Transceiver Issues: A

Optical transceivers are essential components in modern networking systems. They convert electrical signals to optical signals, enabling data

Mar 09, 2026

View the Optical Module Status on a Switch

This article provides instructions on how to view the Optical Module Status on your switch.

Jan 04, 2026

How To Troubleshoot An Optical Digital Audio Cable

An Optical Digital Audio Cable, also known as a TOSLINK or SPDIF cable, is a fiber optic cable that transmits audio signals in a digital format. It

May 08, 2026

Troubleshooting Fiber Optic Connections: Ensuring Proper TX and RX ...

This article will guide you through the process of troubleshooting fiber optic connections, with a focus on ensuring proper TX and RX alignment and how to correctly switch patch cables to

Dec 29, 2025

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

May 16, 2026

What Are Optical Switches and How Do They Work?

All-optical switches primarily use energy only to physically reconfigure the light path, such as driving MEMS mirrors. This means optical switches consume significantly less power per bit

Aug 14, 2025

How To View Port Status And Optical Module Information On Cisco

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

May 02, 2026

Optical monitoring not possible on ports with link down?

On other vendor's switches I was always able to show DOM/DDM/optical-monitoring parameters for ports in down state which can help a lot to troubleshoot why the link is not working. In

Aug 11, 2025

Lights on SFP on one side but not the other? : r/networking

Lights on SFP on one side but not the other? I am connecting 2 switches via SMF using SFP transceivers. One switch shows light when I plug in the fiber, but the other side doesn't. This seem to

Nov 23, 2025

Typical Troubleshooting Cases of Optical Module

Possible causes include: The connector attenuation of the optical fiber exceeds the attenuation threshold, or the optical fiber is bent seriously. Install another optical module on the port and check

Jul 29, 2025

What Are Optical Keyboard Switches, And How Do They

Optical keyboard switches differ from typical mechanical switches in that they use light for actuation instead of a mechanical connection. Of course,

Jan 27, 2026

View the Optical Module Status on a Switch through the Command

This article provides instructions on how to view the Optical Module Status on your switch through the Command Line Interface (CLI). The Cisco Small Business Series Switches allow you to plug in a

Contact Us

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