

The switch s optical port is not emitting light

Article Overview

A switch optical port showing no light usually indicates a physical layer issue, SFP module problem, or port configuration error.

Check Physical Connections

Ensure that the fiber optic cable is properly seated and undamaged. Inspect both ends for broken or dirty connectors, and clean them with a fiber optic cleaning kit if necessary. Swap the cable with a known good one to rule out cable failure. Verify that the cable type and connector match the SFP module and switch requirements, and bypass any patch panels or media converters to eliminate intermediate faults .

Verify SFP Module

Use only switch-compatible SFP or SFP+ modules, as non-certified modules may not be recognized. Check the module for proper insertion and ensure it is not damaged. Some switches provide commands to view module status and diagnostics, such as show port

transceiver information detail, which reports link status, optical power, temperature, and module identification. A "Normal" status indicates the module is functioning within specifications .

Check Switch Port Status

Examine the port LEDs for activity. A completely unlit LED may indicate the port is disabled, shutdown, or error-disabled. Use switch commands like show interfaces to check if the port is administratively down or in an error-disabled state, and re-enable it if necessary . Ensure the switch itself is powered on and fully booted, as a non-functional system can prevent the port from activating .

Power and Compatibility Considerations

Verify that the switch has sufficient power for connected devices if using PoE, and confirm that the SFP module wavelength matches the remote device. Incompatibility between modules or incorrect wavelength selection can prevent the link from establishing .

Summary of Steps

- o Inspect and clean fiber connectors; replace the cable if needed.
- o Confirm SFP module compatibility and proper seating.
- o Check port LEDs and switch configuration; re-enable the port if disabled.
- o Bypass patch panels or media converters to isolate the problem.

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o Use diagnostic commands to verify optical power and module status. Following these steps should help identify whether the issue is due to the cable, SFP module, port configuration, or switch hardware.

Please do a test: power on the switch---- use a good quality cable to connect two Ethernet ports (port 7 and port 5 for

As a more sensitive optical device, optical modules sometimes have some problems during use. Below, Telecomate.com will list

Re-seated the optical cable on both sides. Looking at the Optical Out port on the back of my TV and I don't see any red glow. I know

Hey everyone I recently got a Cisco SG350XG-24F Switch to replace a very buggy Dell Switch and wonder is there

How to troubleshoot a fiber optic transceiver? This article will focus on how to troubleshoot and resolve transmission,

Fault Description A switch is connected to a remote device through optical interfaces and optical fibers. The two

Most switch brands have specific compatibility requirements, especially when using third-party optical modules. First

I am try to configure the 2nd. SFP on ten1/1/3 but not blinking. Already changed the cable, and testet the SFP on

We have an issue going on with that part number (33210-100), This is the defect number FI-264785 and it should be

In between each switch there is a fibre patch panel which I guess has formed part of the testing to prove the fibre

If you're not sure of any of these things I'd suggest creating a couple of simple and small VLANs on you switch and

Light does not turn on: Check if the switch is powered on and if the power cable is properly connected. Use the show interface status

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Optical keyboard switches differ from typical mechanical switches in that they use light for actuation instead of a

I have stack of 5 switches connecting to core switch via port-channel and everything seems working fine. But the strange thing is

When I connect on the same port an other 3750 with a gbic sfp SX the port led lighting up (So the led works). There

We are experiencing issues with our optical ports between QFX5100 and EX4300 since we rebooted our EX4300 switch. On our

Web: <https://millstraining.co.za>

