

# Insufficient optical ports on the core switch



## Overview

Inspect the optical transceiver gold fingers. Use a previously verified working transceiver and connect it to a NIC or switch port for a loopback test. But the external service IP of VCNAPI was still unreachable. Check the ip configuration of eth3, which is the external service IP of VCNAPI. On a big industrial plant we've replaced an old HP switch with a brand new couple of C2960x switches in stack configuration and ever since then, every 6/8 hours or so, the two fiber optics links of switch #2 go down at once. These are connected to a ring of 3 similar other access switches, that. We are experiencing issues with our optical ports between QFX5100 and EX4300 since we rebooted our EX4300 switch. Module temperature : 34 degrees C / 93 degrees F Module voltage : 3.1840 V Module temperature high alarm : Off Module temperature low alarm : Off Module temperature high warning : Off. It's recommended to use a PCIe slot that can supply enough power. If a message of the following format appears - "mlx5\_core 0003:01:00.0: port\_module:254: (pid 0): Port module event : module 0, Cable error, One or more network ports have been powered down due to insufficient/unadvertised. 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 currently both connections from our ISP connected to one X460-48t switch (16.4-patch1-30) Ports are set to auto-negotiate.

## Article Content

Dec 29, 2025

Troubleshooting

NVIDIA Docs Hub Homepage NVIDIA Networking Networking Adapters NVIDIA ConnectX-6 Dx Ethernet Adapter Cards User Manual Troubleshooting

Apr 10, 2026

Troubleshooting

It's recommended to use a PCIe slot that can supply enough power.

Jul 21, 2025

10G uplink 54-port core routing switch

L3 managed Ethernet core routing switch with 6\*1/10G uplink SFP+ fiber ports and 48\*100/1000M SFP ports. Built-in 75W power supply and supports 1U/19" cabinet

Apr 21, 2026

Cisco Nexus 93128TX NX-OS Mode Switch Hardware Installation Guide

Guidelines for Connecting Ports Maintaining Transceivers and Optical Cables Setting Up the Management Interface The management port (MGMT ETH) provides out-of-band management,

Feb 14, 2026

A Detailed Checklist For Link Failures Troubleshooting In AI Data ...

Use a previously verified working transceiver and connect it to a NIC or switch port for a loopback test. If the link comes up, the original transceiver is likely faulty and should be replaced. Notes: [△](#)

Jun 25, 2026

5 troubleshooting tips for connecting the SFP's

Here are 5 troubleshooting tips for connecting the SFP's. Have you ever tried to plug an optic SFP+ transceiver into an SFP+ port to discover that the connection didn't

Oct 21, 2025

Ports blocked when moving LACP connection to new switches

Tried this again today, and the reason for the ports being blocked really was the fact that they were set to auto-negotiate on in the ISP control panel and auto-negotiate off on the ports.

Feb 19, 2026

Troubleshooting

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Jan 03, 2026

Solved: What would cause all fiber optic ports on a

It just happens that at some point the stack switch #2 stops receiving/processing signal on all optical ports at once. Note that we've also

May 17, 2026

Differences Between the Core Switch and Normal

The so-called core switch is for the network architecture. If it is a small local area network with several computers, a small switch with 8 ports can be

Mar 25, 2026

Switch Port Configuration and Troubleshooting

When a device is connected to a port on a PoE switch, the switch goes through a detection phase to determine whether the device is PoE enabled. If not,

May 18, 2026

Not enough ports...what are the options?

Hi there, I would like to add more ports to my current 6509 switch. I was thinking of buying a new switch and then connect it to the existing switch through fiber cable. Can I just buy a new 6509

Feb 06, 2026

View the Optical Module Status on a Switch through the

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

Aug 21, 2025

Gigabit/Hundred Gigabit/Core/PoE/Fiber Switch

The switch is the core equipment for monitoring network transmission. There are many critical technical parameters to consider when selecting

Sep 27, 2025

L3 managed core PoE switch 24-port gigabit ethernet 24

X1580-24T24S6X, the core switch has 24 port supporting gigabit PoE ethernet, 24 ports supporting gigabit SFP, and 6 ports support 10Gbe SFP+, for layer 3

Oct 05, 2025

### 3 FAQs of Connecting Switches by Fiber Optical Ports

What are the main requirements of connecting switches by fiber optical ports? Under normal circumstances, two switches are required to meet the

Oct 21, 2025

EX2300 cant see both optical ports and the 48 built in copper ports ...

We have one of our 2300 switches crashed after power surge. The switch boots up normally (we not stuck in any prompt) but it doesn't see all the interfaces both copper and Optical.

Jul 20, 2025

The optical ports are down on server side but showing up on the

The IVS3800XS38 V5X server's optical ports were connected to the core switch, and the ports' lights are up. But the external service IP of VCNAPI was still unreachable.

Mar 13, 2026

### SFP Troubleshooting Guide for Common Network Issues

When a switch refuses to detect a module, a link light won't illuminate, or performance degrades without warning, you need more than guesswork. You

May 27, 2026

### Troubleshoot Fiber Links on Catalyst 9000 Series Switches

Introduction This document describes how to troubleshoot fiber optic interfaces by addressing some of the fiber optic module and cabling specifications. Prerequisites Requirements

Mar 21, 2026

ConnectX-5 cable error/One or more network ports have been

If not, both ports will stay enabled. In cases where ConnectX-5 Ex based adapter is inserted to a PCI slot that DOES NOT support the "Slot capability register" message, and the

Feb 14, 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

Dec 30, 2025

Optical ports not working | Switching

We are experiencing issues with our optical ports between QFX5100 and EX4300 since we rebooted our EX4300 switch. On our EX4300 the switch port is showing as down when I look at the status and the

Mar 17, 2026

10G 12-port L2+ managed Ethernet switch

L2+ managed Ethernet fiber switch with 12\*1/10G SFP+ fiber ports. Built-in 30W power supply.

## Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://piano-lessons.co.za>

Email: [info@piano-lessons.co.za](mailto:info@piano-lessons.co.za)

Phone: +31 6 37258914

Address: Herengracht 123, 1015 BT Amsterdam, Netherlands

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