

Switch optical port cannot auto-adapt



Overview

Move the cable to a known good port to troubleshoot a suspect port or module. The show module command can indicate faulty, which can indicate a hardware problem. 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 physical port light is also off But when I use “show interfaces diagnostics optics” it is both sending. SFP-10LR transceiver, which is an SFP+ form factor designed for 10G speeds, will not work in a 1G SFP port on a switch, even though both use the SFP form factor. Since the transceiver. Is there some trick to getting auto-negotiation working on a SFP-10G-T-X connected to a 'UCS VIC 1467' (UCSC-M-V25-04) MLOM adapter?

The compatibility matrix claims a few supported speeds, but we've been unable to connect to a couple different network switches of lower speeds. Thanks! 08-31-2023. This document describes how to determine why a port or interface experiences problems. Unlike copper, there is no negotiation or automatic configuration in the transceiver to adapt to a strand that is receiving light and convert it to a receiver.



Article Content

Optical Module Application: Common Problems & Troubleshooting

Based on typical issues encountered with optical modules in daily switch applications, this document summarizes

Solved: Transceiver and switch sfp port doubt regarding auto ...

Since the transceiver expects a 10G interface and the 1G port only supports 1G, the switch will not recognize or

No Auto-MDI-X on Fiber: A Guide to Optical Polarity

In optical links, this orientation is called Polarity. In this guide, we will explain why Auto-MDI-X is missing from fiber

Troubleshooting Fiber/ SFP/ SFP+ connection issues on RUCKUS

Refer to the vendor's optic datasheets to confirm device compatibility. Consult your System Engineer (SE) or Vendor

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

Troubleshoot Switch Port and Interface Problems

This document describes how to determine why a port or interface experiences problems.

Solved: Auto-Negotiation on SFP-10G-T-X

Is there some trick to getting auto-negotiation working on a SFP-10G-T-X connected to a "UCS VIC 1467" (UCSC-M

Old Switch & New Optical Module Compatibility Solutions

Old switch showing "transceiver not recognized" error with new 100G/200G/800G modules? Here's why it's not a defect and how to

Cisco Nexus 9000 Series NX-OS Troubleshooting Guide, Release

There are no licensing requirements for port configuration in Cisco NX-OS. Begin troubleshooting the port

Re: Fiber Ports Not Getting Config Correctly

There is no Auto-Nego for Fiber-Optics (except for 1000Base-X to negotiate duplex settings), so you should always

Contact Us

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