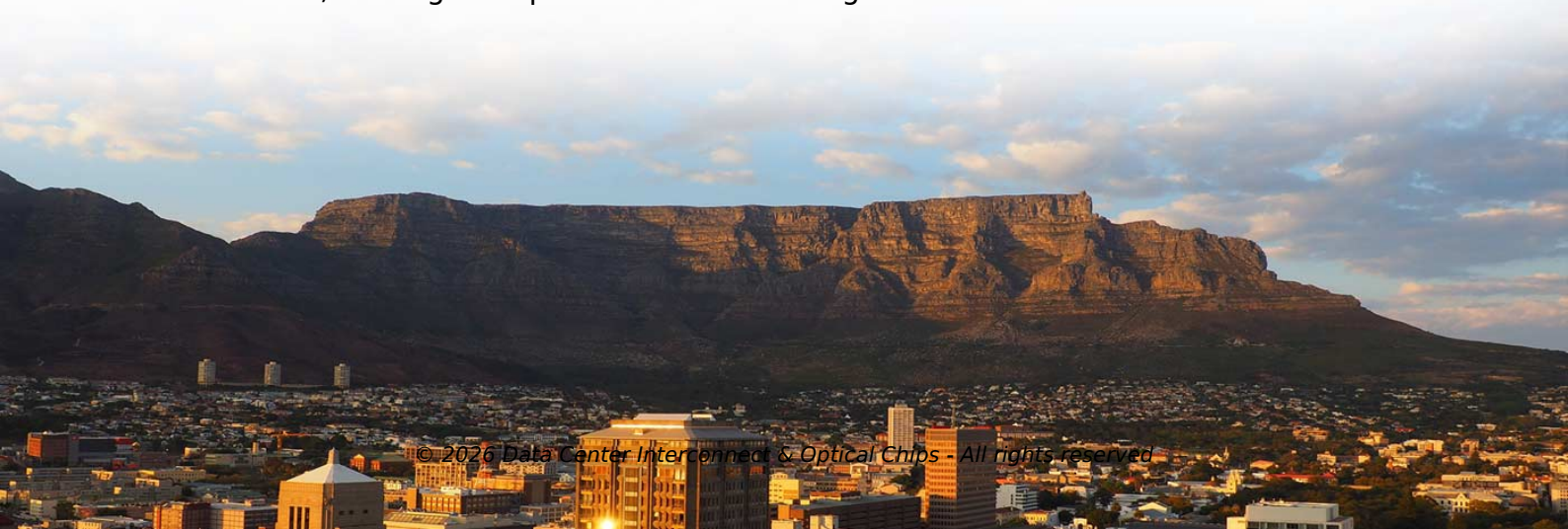


Why can't I see the EEPROM information on the optical module



Overview

Run the following command to read the module's EEPROM information from the A0 register area: `show fiber-ports optics-eeprom <slot/port>` Run the following command to read the module's EEPROM information from the A0 register area: `show fiber-ports optics-eeprom <slot/port>` Every pluggable optical transceiver (SFP, SFP+, QSFP, QSFP28, etc.) ships with a small EEPROM that stores two kinds of information: a fixed Serial-ID block (vendor, part number, serial number, capabilities) and—when provided—a diagnostics area (real-time temperature, voltage, TX/RX power, etc. EEPROM is a type of non-volatile memory, meaning it retains stored information even when the power is turned off. It allows data to be written, erased, and rewritten electrically. In optical transceivers, EEPROM provides a reliable way to store module-specific details that networking equipment can. 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]. We're struggling with reading Laser rx/tx levels from a 10G SFP" in a Supermicro server. This failure prevents the host switch from authenticating the transceiver, leading to "Optic Fault" or "Unrecognized Transceiver" errors.



Article Content

How To View Port Status And Optical Module

To monitor the operating status of optical modules installed on a switch, it is necessary to read the module's internal information, including link

SFP Module Coding Recognition Failures and Solutions

As a step in the firmware validation process, the switches will check identifiers (EEPROMs) against the vendor's compatibility lists; if everything

ERROR : MT26448 ethtool

Thank you very much for responding. Since you cannot use the ethtool-m command as an optical diagnostic support Tx power levels (Laser output power) and Rx power (Receiver signal

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

XXV710-V2 NIC doesn't support "ethtool -m". Is this a bug or by

Questions: Is anyone else able to successfully read an SFP module's EEPROM info through an XXV710 NIC using "ethtool -m"? (I'd like to know either way, if you got it to work or not,

ethool -m text output incomplete, but complete as hex

The most likely reason is a driver glitch - possibly ice reports DDM as absent with ethtool just believing that, without verifying the raw data. Would be interesting to see the Linux kernel

ERROR : MT26448 ethtool

Based on the information provided, you are using a ConnectX adapter. This adapter is EOL and EOS for a while now. Unfortunately the ethtool option "

Why My SFP Transceiver Isn't Working?

Have you ever plugged an optic SFP transceiver but discovered that the connection didn't work? SFP failure may be caused by several aspects. Here

SFP/QSFP EEPROM Recovery: Fix Bricked Optics via I2C

To recover a bricked SFP or high-speed QSFP-DD optic, you must bypass the switch's OS and rewrite the corrupted EEPROM data directly via the I2C bus. Follow these precise steps to

A guide to EEPROM | Arduino Documentation

Learn how to use EEPROM, short for electrically erasable programmable read-only memory, on Arduino boards.

Displaying Optical Module Information

The optical module cannot be installed in an optical interface because the optical module structure is nonstandard. The structure and size of some non-Huawei-certified switch optical modules do not

Optical Transceiver Manufacturer,How To Check Optical

Optical module identification and status monitoring are essential daily tasks for network engineers maintaining Cisco switching systems. This guide provides

How to Read SFP & QSFP EEPROM Data — Practical

Why the EEPROM matters Every pluggable optical transceiver (SFP, SFP+, QSFP, QSFP28, etc.) ships with a small EEPROM that stores two kinds of information: a

Ethtool --dump-module-EEPROM - Thomas-Krenn-Wiki

Via ethtool (alternativ -v oder --module-info) können unter Linux Informationen zu installierten Transceiver Modulen abgefragt werden.

Why Is My SFP Port Not Working? Common Issues and

When you see errors like “Invalid Transceiver” or “unsupported optics,” the first step is to make transceiver detection reliable—so the switch can

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 Read SFP & QSFP EEPROM Data — Practical

Practical, step-by-step guide to reading and interpreting SFP/QSFP EEPROM and DDM data (A0/A2), with commands, standards notes, and troubleshooting.

cs-178-project/imdb.vocab at main · apmalani/cs-178-project

Contribute to apmalani/cs-178-project development by creating an account on GitHub.

Troubleshooting Common SFP Module Issues

Learn how to troubleshoot common SFP module issues including physical faults, hardware damage, compatibility, and configuration errors. This guide provides

EEPROM in Optical Transceivers: Enabling

Learn why EEPROM is essential for module identification, monitoring, and compatibility, and how LINK-PP's SFP/QSFP modules follow SFF-8472 and

Reading and Writing Serial EEPROMs

Serial EEPROM devices like the Microchip 24-series EEPROM allow you to add more memory to any device that can speak I²C. Today we're going to learn how

What Is EEPROM in Optical Transceiver: A Beginner Guide

After power-up, the switch accesses the EEPROM via a serial communication protocol, such as I²C, to exchange information with the optical module and monitor its status.

How to show interface transceiver details on Brand

Discover how to view interface transceiver details on different brands' ethernet switches Quickly troubleshoot faults and monitor in real-time.

SFP Module Coding Recognition Failures and Solutions

Troubleshoot and solve SFP module recognition failures with stepwise diagnostics, firmware insights, and vendor-specific compatibility

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