

Viewing optical module information on a Juniper switch



Overview

To check the status of SFP modules on Juniper devices, utilize the command "show interfaces diagnostics optics" to retrieve detailed information about the SFP module status and transceiver data for various types of optical transceivers (SFP, SFP+, XFP, QSFP+, CFP) installed in. To check the status of SFP modules on Juniper devices, utilize the command "show interfaces diagnostics optics" to retrieve detailed information about the SFP module status and transceiver data for various types of optical transceivers (SFP, SFP+, XFP, QSFP+, CFP) installed in. Display diagnostics data and alarms for Gigabit Ethernet optical transceivers (SFP, SFP+, XFP, QSFP+, or CFP) installed in EX Series Switches or QFX Series Switches. The information provided by this command is known as digital optical monitoring (DOM) information.

Thresholds that trigger a high. When an optical module is running on a switch, it is often necessary to read its internal information to check the operating status, including link status, real-time Tx/Rx optical power, and temperature. Their most popular Operating Software (OS) is named Junos OS, with the latest version today, 22. It also provides status. As the title states, how can I see what optic I have installed in an interface for an MX router?

```
QXM 0 REV 05 711-028408 ZA9053 MPC QXM MIC 0 BUILTIN BUILTIN 4x 10GE XFP  
PIC 0 BUILTIN BUILTIN 4x 10GE XFP MIC 0 REV 24 750-028392 YX9436 3D 20x  
1GE(LAN) SFP PIC 0 BUILTIN BUILTIN 10x 1GE(LAN) SFP Xcvr.
```

Article Content

Oct 02, 2025

How To Check Interface Details In Juniper

To check the status of SFP modules on Juniper devices, utilize the command "show interfaces diagnostics optics" to retrieve detailed information

Nov 11, 2025

Checking TX / RX optical power in Juniper (JunOS)

Checking TX / RX optical power for Juniper Routers For checking transmission links, it is good to know how to find out the optical power for troubleshooting and making sure the desired or optimal range is

Aug 29, 2025

How do i check the sfp status on my juniper switch?

To check the SFP status on a Juniper switch, you can use the command "show interfaces diagnostics optics" or "show interfaces diagnostics optics <interface-name>". This command will provide detailed

May 25, 2026

show interfaces diagnostics optics

show interfaces diagnostics optics Syntax Description Display diagnostics data and alarms for Gigabit Ethernet optical transceivers (SFP, SFP+, XFP, QSFP+, or CFP) installed in EX Series Switches or

Nov 06, 2025

show interfaces diagnostics optics (Routers)

Display diagnostics data, warnings, and alarms for Gigabit Ethernet, 10-Gigabit Ethernet, 40-Gigabit Ethernet, 100-Gigabit Ethernet, or Virtual Chassis port interfaces. Displays diagnostics for optical

Nov 01, 2025

How to show optical transceivers (SFP) information on Juniper EX

Networking Juniper Juniper EX Switch How to show optical transceivers (SFP) information on Juniper EX

Nov 08, 2025

How To Check Sfp Module In Juniper

Enter the command “show interfaces diagnostics optics ” to display the SFP module status and transceiver information. This command will provide

Feb 03, 2026

show interfaces diagnostics optics. Juniper JUNOS OS 10.3, JUNOS

Complete Juniper EX Series Ethernet Switch guide with AI chat for instant answers. Get PDF download, software install, & troubleshooting tips.

Jan 06, 2026

How To View Port Status And Optical Module

This document describes how to check the operating status and internal parameters of optical modules on Juniper devices. Using the Moduletek SFP-10G-LR optical

Jun 21, 2026

Display SFP+ transceiver details on the Juniper switch (EX4600)

Display SFP+ transceiver details on the Juniper switch (EX4600) To check the PIC media type and status for a particular FPC, use the show chassis fpc pic-status fpc-slot command.

Jun 02, 2026

show-system-inventory-hardware-optics

Output Fields #xd_4e7502110d0802e3--56c1866e-18db057ac9f--7fbe__show-system-inventory-hardware-optics-table lists the output fields for the show system inventory hardware optics

Jul 23, 2025

How To View Port Status And Optical Module Information In ARUBA Switches

Optical modules work in the switch usually need to read the internal information of the module to understand its working status, such as module connectivity and real-time collection of

Mar 16, 2026

How To Check Sfp Module In Juniper

Small form-factor pluggable (SFP) modules are commonly used in network switches and routers in order to provide flexibility and scalability in

Apr 10, 2026

How To Check Interface Details In Juniper

Most brands' ethernet switches provide features to show interface transceiver details information via CLI (Command-Line Interface). These

Aug 10, 2025

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

Jul 07, 2025

How To Check Optical Power In Juniper Router?

The information is displayed for Gigabit Ethernet, 10-Gigabit Ethernet, 40-Gigabit Ethernet, 100-Gigabit Ethernet, or Virtual Chassis port interfaces. The

Nov 08, 2025

Juniper OS Transceiver Commands: SFP & QSFP

Master Juniper OS transceiver monitoring commands. Learn show interfaces diagnostics optics for 10G SFP+ and 100G QSFP28 transceivers on

Apr 11, 2026

How To See Fiber Light Levels In Juniper

To view the port status and Optical Module information on Juniper switches, utilize the command "show interface interface-type interface-number" to

Jul 04, 2025

How can I find what optic is in an interface for a Juniper

As the title states, how can I see what optic I have installed in an interface for an MX router?

Oct 29, 2025

How To Check Sfp Module In Juniper

View Interface Information: To see detailed interface information, execute "show interface interface-type interface-number" for the optical module

Dec 29, 2025

show interfaces diagnostics optics | Junos OS | Juniper Networks

Display diagnostics data and alarms for Gigabit Ethernet optical transceivers (SFP, SFP+, XFP, QSFP+, or CFP) installed in EX Series Switches or QFX Series Switches.

Jun 18, 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).

Jul 09, 2025

show interfaces diagnostics optics (Security)

Display diagnostics data and alarms for Gigabit Ethernet optical transceivers (SFP) installed in SRX Series Firewalls. The information provided by this command is known as digital optical monitoring

May 26, 2026

How To Read Optical Module Information On Huawei Switches

Optical modules are widely used in switches, network interface cards (NICs), routers, and other communication devices. During use, reading optical module information helps understand its real

Sep 25, 2025

How To Check Sfp In Juniper Router

The Juniper show SFP type command is used to display diagnostics data and alarms for Gigabit Ethernet optical transceivers (SFP, SFP+, XFP, QSFP+, or CFP) installed in EX Series

Apr 05, 2026

How do i check the sfp status on my juniper switch?

Use the "show interfaces diagnostics optics" command to display detailed information about the SFP modules, including temperature, voltage, and transmit/receive

Nov 01, 2025

How To Check Sfp Type In Juniper

How To Check SFP Model In Juniper? To display the SFP module status and transceiver information on Juniper devices, execute the command

Oct 27, 2025

How to test if an sfp is working on juniper qfx5100 : r/networking

My manager asked me to test if a 3rd party sfp is working on juniper !! what tests can i run on it to compare different company test equipment ?

Contact Us

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