

Viewing optical modules on Huawei optical switches



AI Overview

Use the display transceiver and display transceiver interface commands to view detailed optical module information, including type, wavelength, power, and diagnostic data.

Basic Commands

View all optical modules on the switch Run the command: `display transceiver` This lists all optical ports and their associated modules, showing basic information such as module type, connector type, wavelength, and transfer distance.

View a specific optical module Run the command: `display transceiver interface` Replace and with the actual interface (e.g., `GigabitEthernet 0/0/1`). This provides detailed information for that port, including vendor, serial number, manufacturing date, and module type.

View detailed diagnostic information (DDM) Add the verbose parameter to see real-time operating data: `display transceiver interface verbose` This displays Digital Diagnostic Monitoring (DDM) data such as: Temperature (°C) Voltage (V) Bias current (mA) Transmit (TX) and receive (RX) optical power (dBm) High and low threshold alarms for each parameter.

Checking Interface Status Before reading module data, ensure the interface is UP: `display interface` This shows link status, interface rate, and traffic statistics, which are prerequisites for normal module operation.

Identifying Certified Modules Huawei recommends using Huawei-certified optical modules to avoid compatibility issues, abnormal data bus behavior, or optical power alarms. Non-certified modules may cause installation problems, interface damage, or abnormal transmit/receive power alarms.

Interpreting Alarms Common optical module alarms include:

- High/Low TX Power: Indicates abnormal transmit power
- High/Low RX Power: Indicates abnormal receive power
- Temperature or voltage out of range: May affect module performance

These alarms are reported via OIDs such as `hwOpticalPowerAbnormal` and `hwOptic...`

Article Content

How To View Optical Transceiver Information On Huawei Switches

Optical transceivers are widely applied in switches, network cards, routers and other communication devices. Checking transceiver parameters allows users to monitor real-time

How To Turn Off Alarms For Third-Party Modules On Huawei Switches

When a third-party optical module is installed on a Huawei switch, the module can link up normally, but alarm messages for uncertified modules will appear in port logs and module

Displaying Optical Module Information

Run the display transceiver diagnosis interface [interface-type interface-number] command to view diagnostic information about a specified optical module. This command displays the digital diagnostic

Huawei 40G QSFP Switch Guide: CE6800 & CE12800 Specs

Compare Huawei CloudEngine 40G switches (CE6800, CE12800), QSFP+ module compatibility (SR4/LR4), and deployment guidance for AI-ready Ethernet fabrics.

Optical Modules in Intelligent Computing Scenarios

Huawei provides a full series of pluggable optical modules. A wide variety of modules give you flexible plug-and-play options for all types of interfaces.

Troubleshooting for Optical Modules on Huawei Switch

Check whether the optical module is Huawei-certified. If it is not certified by Huawei, replace it with a Huawei certified one. Remove and reinstall the optical module. ...

Huawei Recognized as a Leader in the 2025 Gartner

Gartner has released its 2025 Magic Quadrant for Data Center Switching, in which Huawei has been recognized as a Leader. Notably, Huawei

Teach you to read the DDM information of the optical module on the ...

Today, ETU-LINK will introduce how to query the information of optical module on Huawei switch. Next, we will introduce the query instructions of relevant parameters of optical

Huawei Switches Viewing Optical Port Receiving and Sending

Use the command display transceiver to view the optical module information of all optical ports, and use the command display transceiver interface interface-type interface-number to view the

Optical Modules in General-Purpose Computing Scenarios

Huawei offers a comprehensive portfolio of pluggable StarryLink optical modules for data center networks, with various models providing flexible plug-and-play solutions tailored to diverse interface

Cisco SFP vs GBIC vs XFP vs SFP+: The Practical

All NS Comm optics, patch cords, and modules are multi-brand compatible, tested for Cisco, Huawei, H3C, Arista, and Alcatel-Lucent switches.

Maximizing Network ROI: A Total Cost of Ownership Analysis of Third ...

The Economic Imperative: Rethinking Optical Transceiver Procurement in the Modern DatacenterNetwork architects and IT financial planners face a persistent challenge: balancing

Light Reading

Light Reading is the leading source of news analysis for communications industry professionals.

AOC, DAC, Fiber Optic Transceivers | One-Stop Shop

Automatic Assembly Line (DAC Cable) 10Gtek's automatic assembly line, assures the consistency of manufacture under the process of laser cutting, aluminum

Checking the Optical Module Type

The selected optical modules must be supported by the optical interfaces. Check whether the optical module used on the switch is certified by Huawei switches. For the Huawei-certified optical modules,

IdeaHub Board 2 | Education Display | Huawei Enterprise

HUAWEI IdeaHub Board 2 education display integrates teaching hardware and a software ecosystem to provide a one-stop smart classroom solution. Discover it.

How to View Optical Module Parameters

If an optical module is installed in a running device, you can run the display transceiver command to view parameters of the optical module, including the center wavelength, transmission

100G/400G Optical Transceiver Platform Specification & Architectural ...

PRODUCT IDENTIFICATION This document serves as the definitive technical reference for the 100G/400G Optical Transceiver Family, a comprehensive suite of pluggable

400G Optical Modules 2026 Guide: DR4 vs. FR4 vs.

400G FR4 delivers ~40% better fiber utilization in campus backbones LPO-compatible modules reduce power consumption by ~2.5W per port For 2026

Introduction of Optical Modules on Huawei Switches

If an optical module is installed in a running switch, you can run the display transceiver command to view parameters of the optical module, including the

Die Historischen Analogkameras

60 jahre geballtes Fachwissen zu historischen Kameras. Jeden Monat neu.

Huawei Optical Switch View Optical Module Commands

Taking the Huawei 5700 series switches as an example, the commands to view optical module information are as follows: ... View the general, manufacturing, alarm, and diagnostic

OPTICAL MODULES FOR HUAWEI S SERIES SWITCHES

If an optical module is installed in a running switch, you can run the display transceiver command to view parameters of the optical module, including the center wavelength, transmission distance, fiber types

Contact Us

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

Website: <https://www.sky-connect.co.za>

Email: info@sky-connect.co.za

Phone: +44 20 7946 0958

Address: 1 Cornhill, London EC3V 3ND, United Kingdom

This document is for informational purposes only. Specifications subject to change without notice.

