Huawei Firewall Viewing Optical Modules



Overview

Displaying Optical Module Information Run the display transceiver diagnosis interface [interface-type interface-number] command to view diagnostic inform.

Key Takeaways

Use the display transceiver and display transceiver diagnosis commands to view detailed optical module information, including status, DDM metrics, and certification details.

Checking Optical Module Status

To view the basic status of an optical module on a Huawei device, run:display interface This command shows the interface rate, module type, link status (UP indicates normal operation), and traffic statistics, which are useful for troubleshooting link issues. If you are unsure of the interface, you can first run:display interface brief to list all interfaces and their types and numbers.

Viewing Detailed Optical Module Information

© 2026 EXF OPTICAL NETWORKS - All rights reserved

For comprehensive information, including manufacturer, wavelength, and transmission distance, use:display transceiver [interface | slot] [verbose] This command provides general, manufacturing, alarm, and diagnostic information of the optical module. Key parameters include: Transceiver Type (e.g., 1000_BASE_SX_SFP)Connector Type (e.g., LC)Wavelength (nm)Transfer Distance (m)Digital Diagnostic Monitoring (DDM) availabilityVendor Name and Part NumberSerial Number and Manufacturing DateTemperature, Voltage, and Bias Current with high/low thresholdsRX/TX Power with thresholds for alarms Viewing Diagnostic Data (DDM)To check real-time diagnostic metrics such as optical power, temperature, voltage, and current, run:display transceiver diagnosis interface This command displays DDM information, which helps monitor module health and detect potential issues like power exceeding thresholds or abnormal temperature.

Proper interpretation ensures the module operates within safe limits. Certified vs Non-Certified ModulesHuawei recommends using Huawei-certified optical modules because they are tested for installation, signal quality, fault tolerance, EMC, and environmental performance. Non-certified modules may: Fail to fit properly in interfacesCause data bus errorsDamage electronic components due to nonstandard connectorsGenerate inaccurate diagnostic readings Always verify module certification to ensure reliable operation and accurate monitoring.

Summary

Use display interface to check link status and traffic. Use display transceiver for detailed module information. Use display transceiver diagnosis to view DDM metrics.

Prefer Huawei-certified modules to avoid compatibility and reliability issues. These commands provide a complete view of the optical module's operational status, helping with troubleshooting, maintenance, and performance monitoring on Huawei firewalls and switches.

Article Content

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 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

How To View Optical Transceiver Information On Huawei Switches

© 2026 EXF OPTICAL NETWORKS - All rights reserved

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

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 Interface FAQ: Transceiver Compatibility Guidelines for

Overview & Thematic ScopeThis FAQ addresses one of the most critical operational decisions for network engineers managing Huawei OptiX OSN series equipment: the use of third-party ...

Teach you to read the DDM information of the optical

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

Huawei Optical Module Part Number Decoder

EXECUTIVE SUMMARY This document provides a comprehensive technical overview of the Huawei Optical Module Part Number Decoder, an essential framework for understanding ...

OPTICAL MODULES FOR HUAWEI S SERIES SWITCHES

A switch must use optical or copper modules that have been certified for use on Huawei switches. Non-certified optical or copper modules cannot ensure transmission reliability and may affect service

HUAWEI USG6000E SERIES HARDWARE MANUAL

This includes maintaining proper ventilation, grounding, and ESD precautions. Huawei also recommends using Huawei optical modules to avoid incompatibility

Displaying Optical Module Information

When certifying an optical module, Huawei comprehensively verifies the functions of the optical module to ensure the optical module quality. The functions include the installation and removal, transmit and

How to View Optical Module Parameters

Viewing the Hardware Description If you know the model or type of an optical module, you can view the section "Pluggable Modules for Interfaces" in the Hardware Description to look up parameters of the

© 2026 EXF OPTICAL NETWORKS - All rights reserved

How to view the optical module DDM information on Huawei and H3C ...

Subscribe 0 648 views 3 years ago View the optical module information on Huawei switches and H3C switches through the command

Displaying Optical Module Information

If an 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

Understanding Optical Modules

10GE SFP+ Copper Modules Accessories Understanding Optical Modules What Is an Optical Module Types of Optical Modules Parameter Description How to View Optical Module Parameters Rules for

Why Are Alarms About Optical Modules That Are Not Certified for Huawei ...

Vendor information of optical modules early delivered from Huawei may not be recorded. Therefore, alarms about optical modules that are not certified for Huawei Ethernet switches are

Optical Module: Typical Optical Module Troubleshooting Procedure

Optical Module: Typical Optical Module Troubleshooting Procedure Check the model of the faulty optical module. If it is not a Huawei-certified optical module, replace it with a Huawei-certified optical module.

How To View Optical Transceiver Information On Huawei Switches

Optical modules are commonly used in switches, network cards, routers and other communications equipment, in the process of using the optical module information can be read to

Understanding Pluggable Optical Modules

The transmit power of a long-distance optical module is often larger than its overload power. Therefore, when using such optical modules, select optical fibers of an appropriate length to ensure that the

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

© 2026 EXF OPTICAL NETWORKS - All rights reserved

Contact Us

Continue your research online:

Website: https://explosivefunctions.co.za
Technical inquiry: https://explosivefunctions.co.za/contact.html
EU project coordination: Parque das Nações, Lisbon, Portugal

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 EXF OPTICAL NETWORKS - All rights reserved