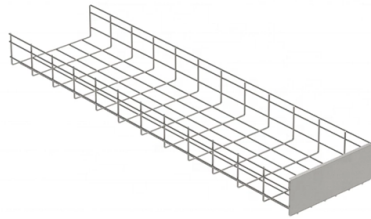


## Check the optical module s light reception and emission on the device



### Overview

Execute the following command to view detailed interface and optical module status: `ethtool <devname>` The output includes interface rate, module rate, link status (Link detected: yes is required for normal module operation), and interface configuration details. 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 ]. Optical modules are widely used in switches, network interface cards (NICs), routers, and other communication devices. The following uses the. DDM (Digital Diagnostics Monitoring) is a feature that is included in optical modules, such as SFP, SFP+, QSFP, and QSFP+ transceivers. Its primary function is to achieve optoelectronic conversion by converting electrical signals into optical signals and vice versa.



## Article Content

### How To Read Optical Module Information On Huawei Switches

The following uses the Moduletek SFP-10G-LR module connected to a Huawei S6700 switch as an example to introduce how to read information of the connected optical module on a Huawei switch.

#### How to view the optical module DDM information?

DDM provides detailed information about the optical module's performance and status, allowing network administrators to monitor and troubleshoot network issues. In this article, we will

#### Optical Module Performance: Key Power and Sensitivity Metrics

In modern optical communication systems, optical modules serve as the core photoelectric conversion components whose performance metrics directly impact the efficiency and

#### Optical module common faults and solutions

In this article, we will focus on teaching you how to troubleshoot and solve the common three categories of optical module failure. First, the transmission class of the optical module fault

#### View the Optical Module Status on a Switch

Article ID:5508 View the Optical Module Status on a Switch Objective The Cisco Small Business Series Switches allow you to plug in a Small Form-factor Pluggable (SFP) transceiver in

#### Optical-Module Parameter Inquiry and Alarm Configuration

Chapter 1 Optical-Module Parameter Inquiry and Alarm Configuration 1.1 Introduction of Optical Module's Parameters The parameters of optical module include the light transmission power, the

#### Huawei enterprise switches

Module design does not meet the EMC, its own low resistance to electromagnetic interference, and to bring electromagnetic interference around the device. Operating temperature range of the optical

#### Displaying Optical Module Information

Check whether the local and remote devices use optical modules of the same type but from different vendors. If the connected optical modules have the same wavelength and provide short-distance

#### How To Read Optical Module Information On A Network Card In Linux ...

For optical modules used on switches, we read their information via brand-specific terminal commands. This guide introduces how to read optical module information when it is installed

#### 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

#### Displaying Optical Module Information

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

#### Displaying Optical Module Information

S1720, S2700, S5700, and S6720 V200R011C10 Configuration Guide - Device Management This document describes the principles and configurations of the Device Management features, and

#### Key Parameters Interpretation of Optical Modules

The key performance indicators of the transmitting end of the optical module mainly include: the average transmitted optical power, the extinction ratio, and the

#### The FOA Reference For Fiber Optics

The light from the transmitter is coupled into the fiber with a connector and is transmitted through the fiber optic cable plant. The light from the end of the fiber

#### Optical-Module Parameter Inquiry and Alarm Configuration

The five parameters have basically decided whether the optical module can work normally. If one of the five parameters is abnormal, ONU registration will be abnormal or packet loss will occur on the link.

## Contact Us

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