

# **How to check the megabit speed of Huawei optical modules**





## Overview

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Run the following command to view interface information: `display interface <interface-type> <interface-number>` The output includes interface rate, module type, link status (the state being UP is a prerequisite for normal operation) and traffic statistics, which can be used for. When the optical module on an interface is faulty, you can run the display commands to view information about the optical module. Taking the Huawei 5700 series switches as an example, the commands to view optical module information are as follows: `Transceiver Type :1000_BASE_SX_SFP Connector Type :LC Wavelength(nm) :850 Transfer Distance(m) :300(50um),150(62. Today, ETU-LINK will introduce how to query the information of optical module on Huawei switch.`



## How to check the megabit speed of Huawei optical modules

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### Checking the Optical Module Type

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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,

### Types of Optical Modules

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Therefore, when using such optical modules, select optical fibers of an appropriate length to ensure that the actual receive power is smaller than the overload power. If the optical fibers connected to a long



## Displaying Optical Module Information

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What Is the Impact of Using Non-Huawei-Certified Optical Modules? When certifying an optical module, Huawei comprehensively verifies the functions of the optical module to ensure the optical module

## Optical Module: Typical Optical Module Troubleshooting Procedure

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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. If the optical module is installed on a GE port, run the display

## How To Read Optical Module Information On Huawei Switches

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The following uses the Mduletek 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.

## 10 Gbit/s SFP+ Optical Module

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HUAWEI AntiDDoS8000V500R005 Hardware Description 10 Gbit/s SFP+ Optical Module  
You can use different levels of 10 Gbit/s SFP+ optical modules only with 10 GE interfaces.

## How to View Optical Module Parameters

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



## Displaying Optical Module Information

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Displaying Optical Module Information You can use the display commands to view information about the optical module on an interface, including conventional information, manufacturing information, and

## Huawei enterprise switches

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Goldfinger unreasonable optical module size, resulting in damage to electronic components interface. Some dimensions of the non-authentication cheat unreasonable optical module, when using such an

## Installing Optical Transceivers and Connecting Optical Fibers

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If different optical modules are used at the two ends, the communication may fail.



Huawei optical modules are recommended. The optical modules from other vendors may cause faults on the USG

## Teach you to read the DDM information of the optical

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

## How to Identify Huawei-Certified Switch Optical Modules

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If your optical modules are delivered after July 1, 2013, use either of the following methods to determine whether they have been certified by Huawei. Method 1: Check for "HUAWEI" on the



## Checking the Optical Module

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Check whether the parameters of the optical modules used on the two ends are consistent. Ensure that the rate, wavelength, and transmission distance of the interconnected optical modules are consistent.

## Teach you to read the DDM information of the optical

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Next, we will introduce the query instructions of relevant parameters of optical module, and view the DDM information of interface optical modules

## Troubleshooting Guidelines for Optical Modules

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If the transmit optical power is abnormal, replace the optical module. Remove and reinstall the optical module. If the fault persists, replace the optical module with a normal one of the same type to check

## Huawei Optical Switch View Optical Module Commands

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Taking the Huawei 5700 series switches as an example, the commands to view optical module information are as follows:

### Displaying Optical Module Information

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For the optical modules connected to high-speed cables or AOC cables, the Vendor Name field displays the original manufacturer name, instead of HUAWEI. For the methods of checking whether such an



## How to Identify Huawei-Certified Optical Modules

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Huawei is not responsible for any problem caused by the use of non-Huawei-certified optical modules and will not fix such problems. The methods provided here are only for reference. To

## 10 Gbit/s SFP+ Optical Modules

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10 Gbit/s SFP+ optical modules apply to 10 GE optical ports. The wavelength can be 850 nm, 1310 nm, or 1550 nm, and the transmission distance ranges from 0.5 km (0.31 mi) to 80 km (49.71 mi).

## How to Know Optical Power SFP-Detail Link-Details & Port

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Hello friends, Welcome to Technical Hakim! In this tutorial, we will learn how to verify port type, speed, link status, port optical rx and tx optics power, sfp

## How to View Optical Module Parameters

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

## Huawei Switches Viewing Optical Port Receiving and Sending

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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



## Troubleshooting for Optical Modules on Huawei Switch

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If the transmit power remains low, replace the optical module or install it in another optical port to check whether it is faulty. If the optical module is faulty, send it

## How to View Optical Module Parameters

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

### Contact Us

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