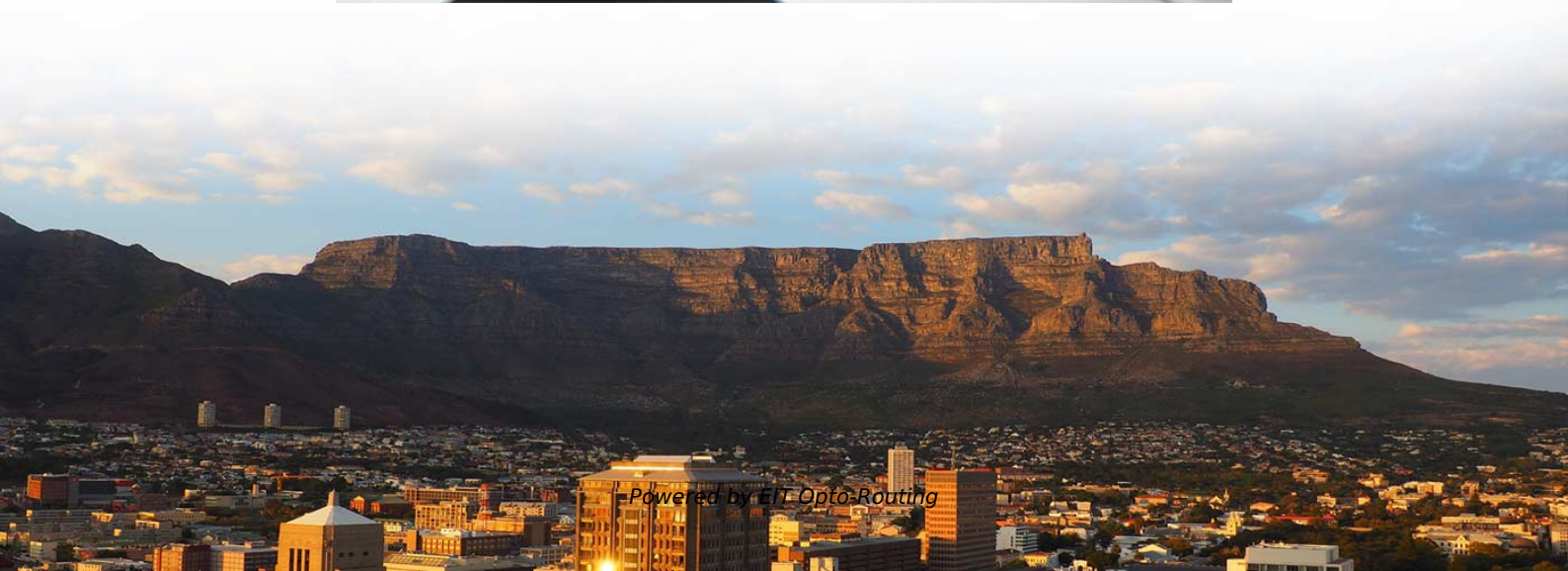


Huawei Router Optical Module Parameters





Overview

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 optical module, including the center wavelength, transmission distance, fiber types supported, receive optical. 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-time operating status, enabling faster troubleshooting of link abnormalities. Here are the sample commands for checking the Transmit/Output (TX) and Receive/Input (RX). Passive optical network (PON) technology is a new point-to-multipoint optical access technology.



Huawei Router Optical Module Parameters

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

01-09 PLUGGABLE MODULES FOR INTERFACES

Huawei routers must use Huawei-certified optical modules. Non-Huawei-certified optical modules cannot ensure transmission reliability and may affect service stability. Huawei is not responsible for any



How to View Optical Module Parameters

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

Checking 400GE Transmit (TX) and Receive (RX) Optical Power in

For checking transmission links on Huawei routers, it is important to know how to check the optical power of 400GE modules or interfaces for troubleshooting and to ensure the desired or optimal range

Teach you to read the DDM information of the optical



The following picture is the optical module information queried on the Huawei switch, which is marked with the Chinese translation of the Optical

Types of Optical Modules

Optical modules are encapsulated in different modes to provide different structures. Huawei routers support optical modules of the following encapsulation types: SFP, eSFP, SFP+, XFP, and QSFP+.

How to Identify Huawei-Certified Optical Modules

Huawei routers must use Huawei-certified optical modules. Non-Huawei-certified optical modules cannot ensure transmission reliability and may affect service stability. Huawei is not



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:

Checking the Optical Module

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.

How to View Optical Module Parameters

Using a Command 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,

Optical Fiber

PON optical modules must be used with 1SC/PC-1SC/PC single-mode optical fibers. Each optical module with separate Tx and Rx channels must be used with two optical fibers of the same type.

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



Typical Troubleshooting Cases of Optical Module

General Optical Module Troubleshooting Procedure Check whether an optical module is a bogus one. An optical module delivered by Huawei is uniquely identified by an SN. If two or more optical

Introduction of Optical Modules on Huawei Switches

When Huawei switches are connected to other products such as routers, comply with the preceding optical module interoperation rules. The following describes the

Parameter Description

Minimum ratio of the average optical power with signal transmitted against the average optical power without signals transmitted in complete modulation mode. The extinction ratio indicates the capability



Displaying Optical Module Information

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

01-18 PON INTERFACE CONFIGURATION

To enable the router to communicate with an upstream optical line terminal (OLT), you must correctly configure attributes of the EPON interface connected to the OLT.

How to View Optical Module Parameters



Using a Command 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

Troubleshooting Optical Module Issues

Troubleshooting Optical Module Issues Symptom An optical port cannot go Up. The optical module cannot be properly identified and optical module information cannot be obtained. After

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



How to View Optical Module Parameters

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,

How to View Optical Module Parameters

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

How to View Optical Module Parameters

If an optical module is installed in a running router, you can run the display interface



transceiver command to view parameters of the optical module, including the center wavelength,

Optical Module: Typical Optical Module Troubleshooting Procedure

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 interfaceGigabitEthernet x/x/x command to

How to View Optical Module Parameters

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



Contact Us

For datasheets, pricing, or custom optical networking solutions, please visit:
<https://entrenamientointeligente.es>