

Huawei 10 Gigabit Optical Module Identification



Article Overview

Huawei 10 Gigabit optical modules can be identified by their type, certification label, and switch-reported vendor information.

Types of 10GE Optical Modules

Huawei 10GE modules include SFP+ and XFP types. SFP+ modules are small form-factor pluggable modules supporting 10 Gbit/s transmission, while XFP modules are slightly larger and also support 10 Gbit/s with LC fiber connectors. Modules can be single-mode (SM) or multimode (MM), and some are single-fiber bidirectional (BIDI), which must be used in complementary pairs (e.g., SFP-10G-BXD1 with SFP-10G-BXU1), .

Certification and Identification

Huawei requires that switches use certified optical modules to ensure reliability. Modules delivered after July 1, 2013 for 10GE or lower speeds are certified if the label contains "HUAWEI", the Manufactured date is later than 2013-07-01, the display version is V200R001C00 or later, and the Vendor Name in the display transceiver command shows HUAWEI. Non-certified modules may display the original manufacturer name and can affect service stability.

Reading Module Information on Huawei Switches...

Article Content

Huawei Optical Module Part Number Decoder

EXECUTIVE SUMMARY This document provides a comprehensive technical overview of the Huawei Optical Module Part Number

Understanding Pluggable Optical Modules

A QSFP-DD optical module is a high-speed pluggable optical module defined by QSFP-DD MSA. CXP: hot-pluggable high-density

Huawei Technical Support

Discover Huawei's technical specifications and features for 10Gbps SFP optical modules, enhancing connectivity and performance in

Optical/Electrical Modules

HUAWEI USG6000 Series V100, V500 Hardware Guide Optical/Electrical Modules This chapter describes hardware information for

Checking Whether Optical Module Types Match

For example, the transmission distance supported by OM1 optical fibers in the preceding command output is 150 m. If the actual

Types of Optical Modules

Huawei S series devices support optical modules of the following encapsulation types: CFP, CFP2, QSFP+, QSFP28, XFP, SFP,

Checking the Optical Module

Ensure that the rate, wavelength, and transmission distance of the interconnected optical modules are consistent. Using the same

FAQs About Optical Modules

For details about the optical modules supported by optical ports on switches, see "Appearance and Structure" of a specific switch

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

Huawei SFP-10G-LR Datasheet Overview

Quick Specs ... Product Details Huawei SFP-10G-LR provides these features: x/Rx Wavelength: 1310 nm. / 1310 nm. Media Type:

Checking Whether the Optical Fiber and Optical Module Match

Check whether the optical module and optical fiber match. A single-mode optical module (typically with a center wavelength of 1310

10GE SFP+ Optical Modules

This document provides an overall description of the CE12800 series switches hardware, helping you obtain detailed information

How to Identify Huawei-Certified Switch Optical Modules

A switch must use optical or copper modules that have been certified for use on Huawei S switches. Non-certified optical

Typical Troubleshooting Cases of Optical Module

An Optical Module Has Normal Transmit Power but Many Packets Are Dropped on the Port Due to Bit Errors Use an optical power

Displaying Optical Module Information

Displaying Optical Module Information You can use the display commands to view information about the optical module on an

What Is an Optical Module and Its FAQs (V200)

What Is an Optical Module and Its FAQs (V200) Describes what an optical module is and FAQs, including the fundamentals,

10 Gbit/s SFP+ Optical Module

You can use different levels of 10 Gbit/s SFP+ optical modules only with 10 GE interfaces. The wavelength of these

Huawei Optical Module Common Models

Huawei's main business scope is switching, transmission, wireless and data communication telecommunication products, providing

10GE SFP+ Optical Modules

Single-fiber bidirectional (BIDI) optical modules must be used in pairs. For example, SFP-10G-BXU1 must be used with SFP-10G-BXD1.

Displaying Optical Module Information

When certifying an optical module, Huawei comprehensively verifies the functions of the optical module to ensure the optical module

Checking Optical Module Information of the Interface

Procedure Run the display interface interface-type interface-number transceiver [verbose] command to check optical module

10 Gbit/s SFP+ Optical Modules

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

01-10 OPTICAL MODULES

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

10GE SFP+ Optical Modules

GE-CWDM eSFP Optical Modules (Used Only in the OADM scenario) GE-DWDM eSFP Optical Modules GE SFP Copper Modules

OSX010000 Datasheet Overview

Supported Switches Figure 1. OSX010000 can be installed in the switch's SFP slot. Table 2 shows the Huawei hot switch. ly Compare

2X10GL (2-Port 10GE Optical Ports Interface Card)

2X10GL (2-Port 10GE Optical Ports Interface Card) Card Overview The 2X10GL is a high-speed WAN access module that provides

How To View Optical Transceiver Information On Huawei Switches

1. Transceiver identity information: model, wavelength, transmission distance, SN, manufacturer data stored in

Checking the Optical Module Type

When certifying an optical module, Huawei switches comprehensively verify optical module functions to ensure the optical module

Huawei Optical Switch View Optical Module Commands

View the general, manufacturing, alarm, and diagnostic information of the specified port optical module. Table 1

How Can I Determine Whether an Optical Module Is Officially

Therefore, you can check whether an alarm is generated to determine whether an optical module is officially delivered

Types of Optical Modules

Multimode optical modules are used with multimode fibers. Multimode fibers have lower transmission performance than single-mode

Types of Optical Modules

Wavelength division multiplexing modules differ from other optical modules in center wavelengths. A common optical module has a

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

01-10 PLUGGABLE MODULES FOR INTERFACES

To determine whether optical modules delivered for Huawei S switches before July 1, 2013 are certified ones, contact Huawei

HUAWEI Transceiver

HUAWEI Transceiver Optical transmitter and receiver products of Gearlink optical transceiver manufacturer are trusted by customers

Optical Modules for Huawei S Series Switches

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SFP-10G-LR, Huawei SFP+ Optical Transceiver, 10G, 1310nm, 10km

Huawei SFP-10G-LR 10G SFP+ 1310nm 10km single-mode LC module for enterprise and carrier networks. Check real-time Huawei

10GE SFP+ Optical Modules

This document describes hardware components of the S9700, including the cabinet, chassis, power supply facilities,

Contact Us

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