

How are the optical ports on Huawei switches



Summary of Content

Huawei switch optical ports support SFP/SFP+ modules with certified compatibility, allowing monitoring of link status, optical power, and diagnostic parameters through CLI commands.

Overview of Huawei Optical Ports

Huawei switches use optical ports to connect fiber optic cables via SFP (Small Form-factor Pluggable) or SFP+ modules, supporting both single-mode and multi-mode fibers. These ports are designed for high-speed data transmission and can operate at speeds ranging from 100 Mbps to 100 Gbps depending on the switch model and module type . Each optical port can provide digital diagnostic monitoring (DDM), which allows real-time monitoring of parameters such as transmit/receive power, voltage, bias current, and temperature .

Module Compatibility and Certification

Huawei requires the use of certified optical modules to ensure transmission reliability and service stability. Non-certified modules may cause link instability or service interruptions, and Huawei does not provide support for issues caused by non-certified modules . Certified modules are labeled with "HUAWEI" and meet specific firmware and manufacturing date requirements. For example, modules manufactured after July 1, 2013, with firmware version V200R001C00 or later, are considered certified .

Monitoring and Diagnostics

Article Content

FAQs About Optical Modules

The switch must have optical modules certified for Huawei switches installed. Optical modules that are not certified for Huawei

CloudEngine S5755-S Series Switches

CloudEngine S5755-S series switches are next-generation Ethernet switches developed by Huawei. They provide 24/48 x GE

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

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

Optical Modules for Huawei S Series Switches

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

CloudEngine S5736-S Series Switches | Huawei Enterprise

CloudEngine S5736-S series switches are all-optical switches that feature 48 downlink optical ports and four uplink 10 GE ports.

What Is an All-Optical Ethernet Switch?

To meet these growing bandwidth requirements, access switches must have optical downlink ports. These ports can

Optical Module Solutions for Huawei S5700/S5720 Series Switches

This article summarizes several solutions for using optical modules with switches and common problems encountered

Checking the Optical Module Type

Some non-certified optical modules are not designed in compliance with EMC standards and have low anti-interference capability.

How To View Optical Transceiver Information On Huawei Switches

Optical transceivers are widely applied in switches, network cards, routers and other communication devices.

Contact Us

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