

RIVO MULTITRADE OPTICAL SYSTEMS

Does the Huawei S79 series switch have an optical port



Overview

Optical Transceiver Manufacturer, Huawei S7900 series enterprise There are two models of Huawei S7900 series switches, namely S7905 and S7908. The difference

Key Takeaways

The Huawei S79 series switch supports optical connections via SFP or combo interfaces, allowing the use of certified optical modules. Optical Port Capability

Huawei S series switches, including the S79 series, typically support optical ports through SFP (Small Form-factor Pluggable) modules or combo interfaces, which combine a Gigabit Ethernet electrical interface and a Gigabit Ethernet optical interface on the same port. These interfaces cannot operate simultaneously; when one is active, the other is disabled. Users can configure the interface to work in fiber mode if an optical module is installed and the remote device is also using an optical interface.

Module Requirements

To ensure reliable transmission, Huawei requires that only certified optical modules be used with its switches. Certified modules are labeled with "HUAWEI" and meet the company's quality and compatibility standards. Non-certified modules may cause service instability and are not supported by Huawei.

Configuration and Monitoring

Once an optical module is installed, the switch can detect and display its status using commands such as `display transceiver` to view module type, wavelength, transfer distance, and vendor information . This allows network administrators to monitor optical port performance and ensure proper operation.

Summary

While the S79 series switch may not have fixed built-in optical ports, it supports optical connectivity through SFP or combo interfaces, provided that certified Huawei optical modules are used. This design allows flexible deployment in both copper and fiber networks, supporting high-speed data transmission and network scalability .

Article Content

Optical Transceiver Manufacturer,Huawei S7900 series enterprise

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Optical Modules for Huawei S Series Switches

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

FAQs About Optical Modules

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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

What Is an All-Optical Ethernet Switch?

This is where Huawei's all-optical Ethernet switches come in. An all-optical Ethernet switch provides both optical

Installing an Optical Module

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Example for Configuring a Combo Interface

When you enable the electrical or optical interface, configure the interface attributes (such as the rate and duplex

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

Replacing an Optical Module

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

Configuring Attributes for an Optical Interface

The configuration is automatically delivered to the new member switch without manual intervention. However, the new

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What Is an All-Optical Ethernet Switch?

All-optical Ethernet switches are a type of switch that provides optical uplink and downlink ports, making them an ideal

FAQs About Optical Modules

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

S5736-S24S4XC

The switch can use a single power module or two power modules for 1+1 power redundancy. Pluggable AC and DC power modules

Checking the Optical Module Type

For the Huawei-certified optical modules, Huawei has added Huawei logo and identifier and changed the vendor information in the

Optical Fiber

A 40G optical module uses four channels to transmit laser and four channels to receive laser. That is, a total of eight channels are

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S5700 Series Switches Hardware Description (V200)

A 10/100/1000BASE-T Ethernet electrical port sends and receives service data at 10/100/1000 Mbit/s, and must use an Ethernet

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