

Huawei 5700 Optical Module



Overview

Understanding Optical Modules Important Notes About Using Optical Modules
Certified for Huawei Switches Understanding Optical Modules What Is Optical Modul.

Key Takeaways

Huawei S5700 series switches support a variety of SFP and 10G optical modules, enabling flexible fiber connectivity for enterprise networks. Supported Optical Modules

Huawei S5700 switches, such as the S5700-28P-LI-AC, feature multiple SFP ports that can accommodate 1.25G SFP modules and 10G SFP+ modules depending on the model . These modules allow connections over single-mode or multi-mode fiber, but it is crucial to match the fiber type with the module type to avoid connectivity issues . Third-party modules from verified vendors like ETU-Link are compatible and tested to ensure performance comparable to Huawei OEM modules .

Configuration and Troubleshooting

When using optical modules with S5700 switches, follow these best practices:

- Check compatibility: Ensure the module's speed matches the port (e.g., do not use a 10G module on a 1G port) and that single-mode and multi-mode fibers are not mixed .
- Port status verification: Use the command display interface `xgigabitethernet0/0/2` to check if the port is administratively down .

- Transceiver diagnostics: Execute display transceiver interface `xgigabitethernet0/0/2 verbose` to monitor wavelength, received, and transmitted optical power .

- Loopback testing: Connect the fiber jumper to the same module to verify port functionality .

Stacking with Optical Modules

For models like S5700-28X-LI-AC, optical ports can be used for stacking multiple switches:

- Configure the first two 10G optical ports as logical port 1 and the last two as logical port 2.
- Connect stack-port n/1 of the local device to stack-port n/2 of the remote device.
- Use chain topology for two switches and ring topology for three or more switches .
- Always wear an anti-static wrist strap and connect it to the ESD socket during installation .

Practical Considerations

- Ensure optical power levels are within normal ranges to maintain stable connections.
- Use verified optical modules to prevent compatibility issues and maintain network reliability .
- For enterprise deployment, S5700 switches provide rich interface options including 24 Gigabit Ethernet ports and 4 SFP ports, supporting flexible network design . By following these guidelines, Huawei S5700 switches can effectively leverage optical modules for high-speed fiber connectivity, stacking, and reliable enterprise network performance .

Article Content

Understanding Optical Modules

Important Notes About Using Optical Modules Certified for Huawei Switches

Understanding Optical Modules What Is

Huawei 5700 optical module inspection

Huawei switches must use Huawei-certified optical modules. Non-Huawei-certified optical modules cannot ensure transmission

Huawei s5700 bidirectional optical module

Find advanced huawei s5700 bidirectional optical module answers for quick and dependable data flow. Use modern technologies to

StarryLink Optical Module

Huawei's StarryLink optical modules for data center networks offer seamless interconnection from GE to 800GE across all scenarios,

Optical Modules in General-Purpose Computing Scenarios

Huawei offers a comprehensive portfolio of pluggable StarryLink optical modules for data center networks, with various models

Does the Huawei S2700/3700/5700/6700/7700 Support the Optical

Introduce a fact: The Huawei S2700/3700/5700/6700/7700 support the Optical Modules of other vendors, learn more about Huawei

Optical Transceiver Manufacturers | HUAWEI S5700-28P-LI-AC

ETU-Link provides the Optical module solutions for HUAWEI S5700-28P-LI-AC switch,we also supply SFP Optical module,1.25G

Types of Optical Modules

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

GPON Optical Modules

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Optical Modules in Intelligent Computing Scenarios

Huawei provides a full series of pluggable optical modules. A wide variety of modules give you flexible plug-and-play options for all

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Displaying Optical Module Information

If an optical module on an interface is faulty, you can run the display commands to view information about the optical module.

Understanding Optical Modules

Pluggable Modules for Interfaces Important Notes About Using Optical Modules
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Pluggable Modules for Interfaces

Cables Pluggable Modules for Interfaces Important Notes About Using Optical Modules
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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,

Understanding Optical Modules

100GE QSFP28 Optical Modules Understanding Optical Modules What Is an Optical
Module Types of Optical Modules Parameter

What Is StarryLink Optical Module? Why Do We Need It?

The StarryLink optical module is a core component developed by Huawei for data
center networks. It delivers ultra

How to Identify Huawei-Certified Switch Optical Modules

10GE or Lower Speed Optical Modules Huawei started certification on 10GE or lower
speed optical modules for S switch

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