ZITHA TECH SPECIALTY CABLES (Pty) Ltd

Huawei optical module gigabit SFP



Overview

Optical Modules for Huawei S Series SwitchesTo determine whether optical modules delivered for Huawei switches before July 1, 2013 are certified ones, cont.

Key Takeaways

Yes, Huawei SFP ports can use gigabit optical modules, provided the modules are certified or compatible with the switch.Fiber Optical Modules

Huawei offers gigabit SFP fiber modules such as the eSFP-GE-SX-MM850, which supports 1.25 Gbps transmission over multimode fiber with LC duplex interfaces and distances up to 550 meters on OM2 fiber . These modules comply with SFP MSA and IEEE 802.3z standards, support digital diagnostics (DDM/DOM), and are hot-swappable, making them suitable for 1000BASE-SX networks and compatible with Huawei S5700 and S5720 series switches .

Copper SFP Modules

For copper connections, Huawei provides 10/100/1000BASE-T SFP transceivers that support 1 Gbps over Cat5e/6 cables up to 100 meters. These modules comply with IEEE 802.3ab standards and include standard SFP MSA serial ID information for proper recognition by Huawei switches .

Certification and Compatibility

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Huawei emphasizes that only certified optical or copper modules should be used to ensure transmission reliability and service stability. Non-certified modules may cause link failures or unsupported transceiver alarms . Certified modules are typically labeled with "HUAWEI" and recognized by the switch via commands such as display transceiver or display version .

Practical Considerations
• SFP ports are backward compatible with 1G modules, so a 1G SFP can be used in a port that supports higher speeds (e.g., SFP+), but the link will operate at 1 Gbps .

• Ensure the module type matches the fiber type (single-mode vs multimode) and distance requirements.

• Using Huawei-certified modules simplifies support and avoids EEPROM or software compatibility issues . In summary, Huawei SFP ports can use gigabit optical modules, both fiber and copper, as long as the modules are certified or compatible with the switch model and meet the required standards for speed, fiber type, and distance.

Article Content

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

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.

Huawei ekitEngine Optical Module Datasheet

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Huawei eSFP-GE-SX-MM850 Gigabit Optical Module Overview

The eSFP-GE-SX-MM850 optical module is a Huawei Gigabit multimode optical module with DOM/DDM support,

Optical Modules in General-Purpose Computing Scenarios

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

Types of Optical Modules

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To reduce EMI, SFP+ optical modules have more springs than SFP optical modules and the cages for SFP+ modules on a card are

Types of Optical Modules

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

1Gbps eSFP Optical Modules

This document provides technical details about 1Gbps eSFP Optical Modules, including specifications and support information.

SFP-GE-LX-SM1310 (02315200)

This document provides specifications and details about the SFP-GE-LX-SM1310 optical module for Huawei devices.

Huawei Optical Modules and Cables

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Understanding Pluggable Optical Modules

An eSFP module is an SFP module that supports monitoring of voltage, temperature, bias current, transmit optical power, and

Huawei Optical Module Common Models

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

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

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 Technical Support

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

Huawei OEGD01N01 1000BASE-T RJ45 SFP Optical Module

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The Huawei OEGD01N01 is an enterprise-class SFP optical functional module designed to deliver reliable copper connectivity for

Understanding Optical Modules

To reduce EMI, SFP+ modules have more springs than SFP modules and the cages for SFP+ modules on a card are tighter. XFP:

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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

1 Gbit/s SFP Optical/Electrical Modules

This page provides technical details and support information about 1 Gbit/s SFP optical/electrical modules from Huawei.

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Huawei OEGD01N01 1000BASE-T RJ45 SFP Optical

Enables flexible Gigabit copper access from SFP slots, simplifying office rewiring and reducing up to 30%

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Huawei Optical Module Common Models

Optical modules are important devices in fiber optic communication systems. Huawei Optical Module is manufactured by Huawei

10G to 100G: How to Choose the Right Huawei SFP, SFP+, and

Selecting the right Huawei optical module is a critical decision that directly impacts network performance, scalability,

Huawei SFP Optical Module Esfp-Ge-Sx-mm850

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