Rapidly compatible with Huawei optical modules



Overview

Optical Modules in Intelligent Computing Scenarios Huawei provides a full series of pluggable optical modules. A wide variety of modules give you flexible.

Key Takeaways

Huawei-compatible optical modules include certified Huawei modules and third-party plug-and-play options such as SFP, SFP+, QSFP28, and SFP28, supporting rapid deployment across switches, routers, and OLT systems.

Certified Huawei Optical Modules

Huawei requires that optical or copper modules used on its switches be certified to ensure transmission reliability and service stability. Certified modules are labeled with "HUAWEI" and can be verified using commands like display transceiver or display version on Huawei devices. Certification covers: 10GE and lower speed modules (certification started July 1, 2013)40GE and 100GE modules (certification started January 1, 2016)High-speed AOC or DAC cables may display the original manufacturer name but are still certified if verified by Huawei support Using certified modules ensures full functionality and avoids service disruptions.

Third-

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Party Compatible Modules

Several suppliers provide Huawei-compatible optical modules that are plug-and-play and cost-effective: EDGE Optical Solutions offers a wide range of compatible modules including: 155M and 1G SFP (FX, SX, LX, ZX)1G CWDM SFP for metro WDM networks10G SFP+, XFP, 8G/16G FC modules (SR, LR, ER, ZR)10G bidirectional SFP+ and CWDM/DWDM SFP+ for metro networksDAC and AOC cables for Huawei systems ETU-LINK modules are tested for multi-brand compatibility, including Huawei S6720S series switches (10G SFP+, 40G QSFP+) and 25G DWDM SFP28 modules for 5G fronthaul. They undergo strict lab testing to ensure seamless operation with Huawei devices.

Key Considerations for Rapid Compatibility

Module Type and Speed: Match the module type (SFP, SFP+, QSFP28, SFP28) with the port and speed requirements of your Huawei device. Distance and Wavelength: Choose modules based on required transmission distance (e.g., SX 550m, LX 10–80km, ZX 120km) and wavelength compatibility. Certification: Prefer certified modules for mission-critical deployments to ensure reliability.

Third-party modules should be verified for plug-and-play compatibility. Application Scenario: Consider the network environment—data center, metro WDM, 5G fronthaul, or enterprise networks—to select the appropriate module type and protocol support. By selecting either Huawei-certified modules or tested third-party compatible modules, network engineers can achieve rapid deployment and reliable operation across Huawei switches, routers, and OLT systems.

Article Content

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 types of interfaces.

Optical Modules in General-Purpose Computing Scenarios

Huawei offers a comprehensive portfolio of pluggable StarryLink optical modules for data center networks, with various models providing flexible plug-and-play solutions tailored to diverse interface

Optical Interface FAQ: Transceiver Compatibility Guidelines For

Overview & Thematic ScopeThis FAQ addresses one of the most critical operational decisions for network engineers managing Huawei OptiX OSN series equipment: the use of third-party ...

Optical Interface FAQ: Transceiver Compatibility Guidelines for Cisco ...

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Yes, our optical transceivers are engineered to be 100% functionally compatible with both Cisco and Huawei equipment. They adhere strictly to MSA standards, ensuring physical ...

The Ultimate Guide to Huawei SFP/SFP+/QSFP Compatibility:

This guide serves as an authoritative deep dive into the Huawei optical module ecosystem, providing a technical reference grounded in hardware specifications, industry ...

Huawei Compatible Transceivers | EDGE Optical Solutions

We are a supplier of compatible Huawei optical transceiver products that are built to meet reliability and performance requirements. Compatible Huawei transceiver products are widely used among network

Huawei Compatible Transceivers and Cables

Huawei Compatible SFP-T 1000BASE-T SFP Transceiver Huawei Compatible SFP-T 1000BASE-T Copper 100m SFP Transceiver Module Part Number: SFP-T-HPC

HW Compatible Transceiver Module Series

Store.QSFPTEK offers Huawei transceiver modules for wholesale. Get 100% compatible transceivers at a great discount in QSFPTEK Store now!

Huawei PON SFP Modules | GPON XG-PON XGS-PON & 50G-PON

Whether operators are expanding GPON networks, increasing splitter ratios, or preparing for 10G PON migration, Huawei PON SFP modules provide reliable, cost-effective, and future-ready

Huawei Compatibility Matrix for Transceivers and Cables

Optech offers high quality transceivers and cables solutions 100% compatible with Huawei. All products are tested on corresponding equipment before shipping. The Huawei

HUAWEI Transceiver

HUAWEI Transceiver Optical transmitter and receiver products of Gearlink optical transceiver manufacturer are trusted by customers with high compatibility, low power consumption, high quality,

Types of Optical Modules

Wavelength division multiplexing modules differ from other optical modules in center wavelengths. A common optical module has a center wavelength of 850 nm, 1310 nm, or 1550 nm, whereas a

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StarryLink Optical Module

Huawei''s StarryLink optical modules for data center networks offer seamless interconnection from GE to 800GE across all scenarios, delivering customers an ultra-reliable, long-distance, and highly secure

Huawei Unveils StarryLink Optical Modules That Deliver Ultimate

To address these challenges, Huawei''s StarryLink optical modules deliver a high-quality network experience with three key capabilities: Spanning: Utilizing a unique optical path coupling

Huawei Unveils StarryLink Optical Modules That Deliver Ultimate

Looking ahead, Huawei aims to collaborate with industry partners to further research and innovate in data center network optical modules, promoting intelligent network upgrades and

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 modules cannot ensure transmission reliability and may affect service

Optical Interface FAQ: Transceiver Compatibility Guidelines for Cisco ...

Overview & Thematic ScopeWelcome to our technical support FAQ, specifically designed to address the most critical pre-sales and post-sales questions regarding optical transceiver compatibility with Cisco

Checking Whether the Optical Fiber and Optical Module Match

Procedure Check the optical module type. Generally, an optical module has a label attached, identifying the rate, center wavelength, and mode (single-mode or multimode) of the optical module, as shown

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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