Huawei H3C product optical module



Overview

Optical Modules in General-Purpose Computing Scenarios Huawei offers a comprehensive portfolio of pluggable StarryLink optical modules for data center netw.

Key Takeaways

Huawei and H3C offer a wide range of optical modules, including SFP, SFP+, QSFP+, QSFP28, QSFP56, and CFP series, supporting various data rates, fiber types, and transmission distances for enterprise and data center networks.

Overview of Huawei Optical Modules

Huawei provides a comprehensive portfolio of pluggable StarryLink optical modules designed for flexible, plug-and-play deployment in data center networks. Key features include: Form Factors: SFP, SFP+, QSFP+, QSFP28, QSFP56, CFP, and CFP2. Data Rates: 1 Gbps to 400 Gbps, covering gigabit, 10G, 25G, 40G, 100G, 200G, and 400G networks.

Fiber Types: Single-mode (1310 nm, 1550 nm) and multi-mode (850 nm) fibers. Transmission Distances: Short-range (SX, up to 2 km), medium-range (LX, up to 10 km), and long-range (LH, up to 80 km or more). Special Features: Hot-swappable, auto-negotiation, digital diagnostics monitoring (DOM), and support for single-fiber bidirectional (BiDi) transmission.

A popular example is the Huawei SFP-GE-LX-SM1310-D, which supports 1. 25 Gbps, works with both single-mode and multi-mode fibers, and is compatible with Huawei and H3C switches. It is suitable for enterprise LANs, data centers, and metro networks, offering high stability, low power consumption, and real-time monitoring.

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Overview of H3

C Optical ModulesH3C optical modules are designed for optical-to-electrical and electrical-to-optical conversions and support a wide range of network speeds and distances. Key aspects include: Form Factors: SFP, SFP+, SFP28, QSFP+, QSFP28, QSFP56, QSFP-DD, CFP, CFP2, and CXP. Data Rates: 100 Mbps to 400 Gbps, covering legacy and high-speed networks.

Transmission Distances: Short-range (≤2 km) and long-range (≈10 km), with distance limited by optical loss and dispersion. Wavelengths: 850 nm (multi-mode), 1310 nm, and 1550 nm (single-mode). Functions: Optical power control, modulation transmission, signal probing, IV conversion, limiting amplifier, decision regeneration, TX-disable, and counterfeit-prevention query.

H3

C modules are hot-swappable and compatible with various H3C devices, allowing flexible deployment in enterprise, data center, and metro networks. 40G QSFP+ ModulesBoth Huawei and H3C offer 40G QSFP+ optical modules, which are widely used for backbone network transmission. These modules are more popular than 40G CFP modules due to their compact size and efficiency.

They support multi-mode and single-mode fibers and are suitable for high-speed aggregation and core network links.

Selection Considerations

When choosing Huawei or H3C optical modules, consider: Switch Compatibility: Confirm the module is compatible with your switch model. Fiber Type: Single-mode vs. multi-mode, and wavelength (850 nm, 1310 nm, 1550 nm). Transmission Distance: Match the module to the required link length.

Data Rate: Ensure the module supports the network speed (1G, 10G, 25G, 40G, 100G, etc.). Special Features: Hot-swapping, DOM, BiDi support, and power efficiency.

Both Huawei and H3

C modules are suitable for enterprise networks, data centers, and metro networks, offering high reliability, scalability, and ease of maintenance.

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Article Content

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

What Is an Optical Module and Its FAQs (V300)

You can identify a Huawei-certified optical module by checking the label attached on the optical module. If the label has a Huawei logo, the optical module has been certified for Huawei data

Latest 2025 | huawei h3c gigabit optical module ...

This huawei h3c gigabit optical module sfp-ge-lx-sm1310-d supports 1.25g rate, is compatible with single-mode and multi-mode optical fiber, and is suitable for data centers and

H3C Products Catalogue

The Industrial Ethernet 4300 series is an industrial Ethernet switch product developed by H3C for a large number of application scenarios such as high reliability and high stability.

How To View The Optical Module DDM Information On Huawei And

View the optical module information on Huawei switches and H3C switches through the command

Optical Module SFP-GE-SX-MM850 1.25G SFP Dual LC 55m

Optical Module SFP-GE-SX-MM850 1.25G SFP Dual LC 55m Multimode for Huawei/Cisco/H3C/Other AI Computing/HPC/Data Center

Optical Interface FAQ: Transceiver Compatibility Guidelines for

Q7: What is the optical module interoperability standard for different Huawei products? Broad interoperability between Huawei products, such as connecting an OSN ...

Optical Module 1.25G Bidi Sfp20 LC 20km for Huawei H3C CISCO

Optical Module 1.25G Bidi Sfp20 LC 20km for Huawei H3C CISCO Switch AI Computing HPC Data Center No reviews yet $780 - 9025 Minimum order quantity: 5 pieces

10g SFP+ 1550nm LC Ddm 80km Optical SFP Module

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Our goals is to continuously satisfy our customers and provide high quality products and service to our global partners, and promote the development of optical

Buy low power consumption sfp modules, Good quality low power ...

H3C Gigabit Optical Modules Product Overview Adopting advanced technologies, H3C Gigabit Optical Modules feature low power consumption, hot-swap capability and wide compatibility.

Alcatel-Lucent (Nokia) 3HE00564CA 01 10GBASE-LR XFP Optical

New original: 100% genuine, brand new, with full manufacturer quality assurance. Compatible modules: Cost-effective, fully tested, compatible with Cisco, Huawei, Ericsson, Nokia, Juniper, HP, H3C,

LC Fiber Optics: Complete Guide 2026 to Patch Cables,

Intro This guide provides a fully updated and industry-ready overview of LC fiber optics, explaining the origin and design of LC connectors, their key features, and

Genuine Transceiver Modules

GenuineModules is a reliable supplier of optical interconnect products for use in fiber optic networking, including optical transceiver modules, direct attach cables,

Cisco DP04QSDD-HE0 Compatible 100-400GbE DCO

QSFP-DD 400G ZR and ZR+/ZR+ Pro coherent optical modules have obvious differences in transmission distance, module specifications, power consumption,

HPC Optics | SFP, SFP+, XFP, QSFP, QSFP28, QSFP

HPC Optics is a leading supplier of fiber optic transceivers and active optical cables (AOC). Our transceivers are ideal for high-performance computing networks in

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

Ethernet Switch Port Types Explained 2026: RJ45,

A complete engineering guide to Ethernet switch port types: RJ45, SFP, SFP+, SFP28, QSFP+, QSFP28, Combo, Stack, PoE, access/trunk/hybrid

Huawei RRU SFP

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Huawei RRU SFP module, optical transmission device, low price around $7, minimum order of 1 unit. Suitable for wholesale, available in bulk, wireless infrastructure equipment.

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EU project coordination: Parque das Nações, Lisbon, Portugal

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

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