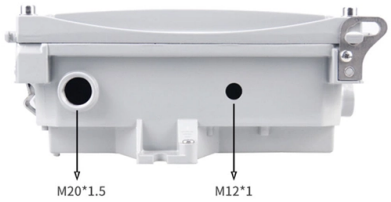
Where is Huawei s ultra-high-speed optical module



Overview

Optical Modules in Intelligent Computing Scenarios In the AI era, Huawei provides a full range of GE to 800GE optical modules, featuring three major capabi.

Key Takeaways

Huawei's ultra-high-speed optical module is the StarryLink series, designed for data center networks with speeds from GE to 800GE, offering ultra-long transmission, high reliability, and robust security.

Huawei's StarryLink optical modules are deployed primarily in data center networks to support ultra-high-speed interconnections, especially in AI-driven environments where large-scale model training demands high bandwidth and low latency . These modules cover speeds from Gigabit Ethernet (GE) up to 800GE, ensuring flexible deployment across various network scales .

Key Features
• Spanning (Ultra-Long Transmission): Utilizes a unique optical path coupling algorithm to achieve transmission distances double the industry average, supporting interconnections across large data centers .

• Stable (Ultra-High Reliability): Incorporates short-distance optical return loss positioning and channel loss resistance technology, enabling rapid fault detection and improving reliability by a factor of ten .

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• Secure (Ultra-Robust Security): Integrates PHYSEC physical layer encryption, ensuring 100% packet encryption and eliminating data leakage risks .
Deployment and Availability

These modules are pluggable and compatible with a wide range of interfaces, allowing flexible, plug-and-play installation in Huawei's data center switches and network infrastructure . They are showcased at events like Mobile World Congress 2025, highlighting their role in next-generation data center interconnectivity . Huawei continues to collaborate with industry partners to expand research and deployment of these modules, promoting intelligent network upgrades and generational evolution . In summary, Huawei's ultra-high-speed optical modules are available for enterprise and data center deployment through Huawei's official channels and are designed to meet the demands of high-capacity, secure, and reliable network environments .

Article Content

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The module is intended to guarantee bandwidth in first-rate 5G networks, helping operators achieve commercial 5G

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Constructing Intelligent Ultra-High-Speed

Huawei''s new-generation power efficient oDSP provides in-depth optimization for pluggable modules. It not only supports high

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2. Quantum communication and optical computing - Explore the application of photonic chips in quantum key

Displaying Optical Module Information

For the optical modules connected to high-speed cables or AOC cables, the Vendor Name field displays the original manufacturer

100 Gbit/s QSFP28 Optical Modules

The 100 Gbit/s QSFP28 optical modules can only be used with 100 GE interfaces. The wavelength of these 100 Gbit/s QSFP28

Understanding Optical Modules

This document provides an overall hardware description of XH series switches CloudEngine XH16800-8 and CloudEngine XH16800

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Understanding Optical Modules

This document explains optical modules, their types, and applications, providing a comprehensive understanding of their functionality

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 nm, or 1550 nm, and the

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Troubleshooting for Optical Modules on Huawei Switch

When this optical module uses OM3 multimode optical fibers, its transmission distance is 0.3 km. The optical modules used on both

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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Explore the ultimate guide to optical modules. Learn types, functions, performance metrics & how to choose the right

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Types of Optical Modules

Wavelength division multiplexing modules differ from other optical modules in center wavelengths. A common optical module has a

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How To View Optical Transceiver Information On Huawei Switches

We connect Moduletek SFP-10G-LR transceiver to Huawei S6700 switch, and demonstrate how to view transceiver

GPON Optical Modules

Guide to Using Pluggable Modules Pluggable Module Adaptation Solution Pluggable Module Specifications FE SFP/eSFP Optical

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