

Article Overview

Huawei Genuine Optical Modules are high-quality, hot-swappable transceivers designed for reliable data transmission across various network environments.

Overview

Huawei optical modules are components that perform electrical-to-optical and optical-to-electrical conversion in optical networks, enabling high-speed data transmission over fiber cables (). They are widely used in data centers, enterprise networks, and telecommunications. Huawei offers a broad portfolio of modules, including SFP, eSFP, SFP+, QSFP+, QSFP28, XFP, CFP, and SFP28, each supporting different transmission rates and fiber types ().

Types and Specifications

- o SFP (Small Form-Factor Pluggable): Supports LC fiber connectors, commonly used for 100M/1G connections.
- o eSFP (Enhanced SFP): Similar to SFP but includes monitoring for voltage, temperature, bias current, and optical power ().
- o SFP+: Higher-speed SFP variant, typically for 10G connections.
- o QSFP+ / QSFP28: Quad small form-factor pluggable modules for 40G or 100G connections, supporting MPO fiber connectors.
- o CFP: Centum form-factor pluggable modules for high-speed data communication, dimensions 144.75 mm x 82 mm x 13.6 mm (). Modules are available in single-mode (SM) and multi-mode (MM) variants, with different wavelengths (e.g., 850nm, 1310nm, 1550nm) and transmission distances ranging from 0.55 km to 80 km ().

Popular Genuine Huawei Modules

- o SFP-FE-SX-MM1310: Multi-mode, 100M/155M, 2 km, LC connector ().
- o eSFP-FE-LX-SM1310: Single-mode, 100M/155M, 15 km, LC connector ().
- o S-SFP-FE-LH40-SM1310: Single-mode, 100M/155M, 40 km, LC connector ().
- o S-SFP-FE-LH80-SM1550: Single-mode, 100M/155M, 80 km, LC connector ().
- o BIDI Modules: TX/RX on different wavelengths for single-fiber bidirectional transmission ().

Advantages of Genuine Huawei Modules

- o Reliability: Designed and tested for Huawei devices to ensure stable performance.
- o Hot-swappable: Can be replaced without shutting down the system.



Huawei Genuine Optical Module

- o Monitoring: eSFP modules provide real-time diagnostics for network management.
- o Compatibility: Fully compatible with Huawei routers, switches, servers, and OLTs ().

Purchasing

Genuine Huawei optical modules can be purchased from authorized distributors and online platforms such as GenuineModules.com and Hi-Network.com, offering worldwide shipping and verified authenticity ().

Conclusion

Huawei Genuine Optical Modules provide flexible, high-performance solutions for diverse networking needs, supporting multiple speeds, fiber types, and distances. Choosing genuine modules ensures compatibility, reliability, and long-term network stability.

A switch must use optical or copper modules that have been certified for use on Huawei S switches. Non-certified optical

At MWC Barcelona 2025, Huawei introduced the StarryLink optical modules, aimed at creating a network experience

Hi-Network supplies Cables and Huawei SFP optic transceivers modules for all series of Huawei routers, Huawei Switches, Huawei

Buy Genuine Huawei Optical Modules and Cables from GenuineModules.com with best price and fast worldwide shipping.

Procedure Check the optical module type. Generally, an optical module has a label attached, identifying the rate, center wavelength,

GenuineModules.com is a reliable supplier of optical interconnect products for use in fiber optic networking,

Huawei PON SFP modules are carrier-grade optical transceivers designed for GPON XG-PON XGS-PON & 50G-PON

Wuhan Huagong Genuine Optics Tech Co., Ltd (HG Genuine), established in March 2001, is a backbone daughter company of

ZUSAMMENFASSUNG: Dieses Dokument bietet einen umfassenden technischen Überblick über den Huawei Optical Module Part



Huawei Genuine Optical Module

Check whether an optical module is a bogus one. An optical module delivered by Huawei is uniquely identified by an SN. If two or

Fundamentals of an Optical Module As an important part of fiber-optic communication, an optical module is a photoelectric converter

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

Huawei SFP-FE-LX-SM1310-BIDI Optischer Transceiver, eSFP, 100M/155M, Singlemode-Modul (TX1310nm/RX1550nm, 15km, LC)

Buy genuine Huawei 25GE SFP28 optical modules from GenuineModules.com with best price and fast worldwide shipping.

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

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