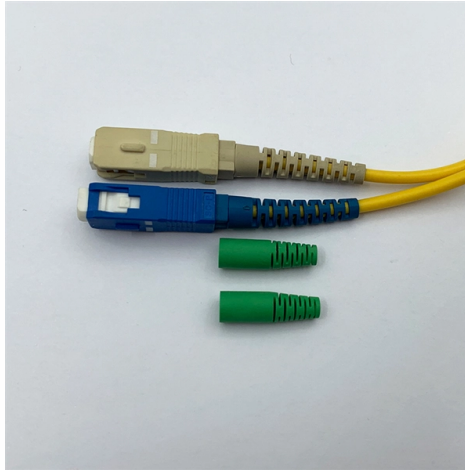


What are the versions of Huawei optical modules



AI Overview

Huawei optical modules come in multiple versions and types, including SFP, SFP+, eSFP, XFP, SFP28, QSFP+, QSFP28, and CFP, each supporting different transmission rates and features.

Common Huawei Optical Module Types and Versions

Huawei optical modules are designed for various transmission rates and network requirements:

- SFP (Small Form-factor Pluggable):** Supports FE and GE rates, uses LC fiber connectors.
- eSFP (Enhanced SFP):** Similar to SFP but supports monitoring of voltage, temperature, bias current, transmit and receive optical power.
- SFP+:** High-speed SFP supporting 10GE transmission.
- SFP28:** Same interface as SFP+, supports 25GE.
- XFP:** 10 Gigabit module, larger than SFP+, supports LC connectors.
- QSFP+:** Quad SFP, supports 40GE, uses MPO connectors.
- QSFP28:** Supports 100GE or 40GE, same interface size as QSFP+.
- CFP:** Centum form-factor pluggable, used for high-speed data communication, dimensions 144.75 mm x 82 mm x 13.6 mm.

Checking Optical Module Version on Huawei Devices

To view the version and status of an optical module on Huawei switches, you can use the following commands:

- Display module information:** `display transceiver [ interface interface-type interface-number | slot slot-id ] [ verbose ]` This command shows module type, vendor, serial number, and version information.
- Diagnostic information:** `display transceiver diagnosis interface [ interface-type interface-number ]` Provides digital diagnostic monitoring (DDMM) data, including temperature, voltage, current, transmit and receive optical power.
- Interface overview:** `display interface brief` Lists all interfaces and helps identify which module is installed on each port.

Huawei-Certified Modules

Huawei recommends using Huawei-certified optical modules to ensure compatibility, reliability, and proper operation. Non-certified modules may cause installation issues, abnormal data bus...

Article Content

What Is an Optical Module and Its FAQs (V200)

What Is an Optical Module and Its FAQs (V200) Describes what an optical module is and FAQs, including the fundamentals, appearance and structure, key performance counters, common types,

Types of Optical Modules

Huawei S series devices support optical modules of the following encapsulation types: CFP, QSFP+, QSFP28, XFP, SFP, eSFP, and SFP+. All optical modules are hot swappable.

CFP Optical Modules Market Growth: 16.4% CAGR Analysis

CFP optical modules, particularly the 100G and 400G versions, are indispensable for these DCI applications, offering the requisite speed, reach, and reliability.

Optical Modules in Intelligent Computing Scenarios

In the AI era, Huawei provides a full range of GE to 800GE optical modules, featuring three major capabilities: Spanning (ultra-long transmission), Stable (ultra-high reliability), and Secure (ultra-solid

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.

01-10 OPTICAL MODULES

Huawei S series devices support optical modules of the following encapsulation types: CFP, QSFP+, QSFP28, XFP, SFP, eSFP, and SFP+. All optical modules are hot swappable.

400G vs 800G Optical Modules: Differences, Use Cases, and

Compare optical modules for data centers and AI clusters. Learn key differences in standards, power, cabling, and use cases.

Huawei Pura 90 Global Debut Puts Its Zoom Camera and Big Battery

Three models, three different priorities In China, Huawei introduced three versions of the series: the standard Pura 90, the Pura 90 Pro, and the Pura 90 Pro Max. The starting price in China

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,

Huawei Launches Open-Access SuperPoD Architecture

[Shanghai, China, September 18, 2025] Yang Chaobin, Huawei's Director of the Board and CEO of the ICT Business Group, launched Huawei's new SuperPoD

Cisco Compatible Optical Modules Catalog

EXECUTIVE SUMMARY This document serves as the definitive technical reference for the Cisco Compatible Optical Modules Catalog, encompassing a comprehensive portfolio of Small Form-Factor

Huawei Optical Module Common Models

Optical modules are important devices in fiber optic communication systems. Huawei Optical Module is manufactured by Huawei Technologies Co. and originated in Shenzhen.

Huawei Unveils StarryLink Optical Modules That Deliver Ultimate

BARCELONA, Spain, March 6, 2025 /PRNewswire/ -- At the Mobile World Congress 2025 (MWC 2025), Huawei launched the StarryLink optical modules, designed to enhance network experiences with "3S"...

Why 1.6T Optical Transceivers Overtake 800G in 2026 AI Clusters?

1.6T optical transceivers are overtaking 800G in 2026 AI clusters because NVIDIA Blackwell GB200 systems require doubled bandwidth per port, Silicon Photonics technology reduces power

Huawei FTTH ONT Comparison 2026: EG8145, EG8245 & HG8245

Introduction Huawei is the world's leading manufacturer of GPON optical network terminals (ONTs), serving over 300 million broadband subscribers globally. Understanding the

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

With options ranging from Class B+ to Class D and advanced XG-PON Combo SFP+ modules, Huawei delivers scalable broadband solutions that support both current and future network

10g sfp multi mode optical module online manufacture

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Huawei Optical Modules and Cables

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

Types of Optical Modules

CloudEngine 8800, 7800, 6800, and 5800 Series Switches Hardware Description (Versions earlier than V200R020C00) This document provides an overall description of the CE5800& 6800& 7800& 8800

400G Optical Modules 2026 Guide: DR4 vs. FR4 vs. LR8 Lab

400G FR4 delivers ~40% better fiber utilization in campus backbones LPO-compatible modules reduce power consumption by ~2.5W per port For 2026 deployments, prioritizing LPO

Huawei Recognized as a Leader in the 2025 Gartner ...

At MWC 2025, Huawei unveiled its StarryLink optical modules for the data center network field, which offers three core capabilities: ultra-long distance transmission (spanning), ultra-high

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

CFP Optical Modules Market: \$14.7B, 16.4% CAGR Growth Insights

Explore the CFP Optical Modules market set for 16.4% CAGR growth. Driven by cloud services and data center interconnection, this report provides key insights into market dynamics.

How To View Optical Transceiver Information On Huawei Switches

Optical modules are commonly used in switches, network cards, routers and other communications equipment, in the process of using the optical module information can be read to

WHAT IS AN OPTICAL MODULE AND ITS FAQS (V200)

As an important part of fiber-optic communication, an optical module is a photoelectric converter which converts electrical signals into optical signals and vice versa. An optical module works at the physical

Overview of 400G Optical Modules

The primary role of 400G optical modules is to increase data throughput, maximizing bandwidth and port density in data centers. Future trends for 400G optical modules include broad

Types of Optical Modules

Optical modules are encapsulated in different modes to provide different structures. Huawei routers support optical modules of the following encapsulation types: SFP, eSFP, SFP+, XFP, and QSFP+.

Contact Us

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