Huawei optical module models

Article Overview

Huawei offers a wide range of optical modules including SFP, SFP+, QSFP+, QSFP28, CFP, XFP, and eSFP, supporting transmission rates from 100M to 800GE for various networking scenarios.

Common Huawei Optical Module Types

• SFP (Small Form-factor Pluggable): Supports Gigabit Ethernet (GE) and Fast Ethernet (FE) with LC fiber connectors. Ideal for standard network connections .
• eSFP (Enhanced SFP): Similar to SFP but includes monitoring of voltage, temperature, bias current, transmit and receive optical power .
• SFP+: High-speed SFP variant supporting 10GE, compatible with LC fiber connectors .
• SFP28: Same interface size as SFP+, supports 25GE transmission .
• XFP: 10 Gigabit small form-factor pluggable, larger than SFP+, supports LC fiber connectors .
• QSFP+ (Quad SFP+): Supports 40GE, uses MPO fiber connectors, larger than SFP+ .
• QSFP28: Same interface as QSFP+, supports 100GE or 40GE depending on module type .
• CFP (Centum Form-factor Pluggable): Large module supporting high-speed data communication, dimensions 144.75 mm x 82 mm x 13.6 mm, used in 100GE and above .
• CSFP: Compact SFP variant for specific applications .

Transmission Rates and Applications...

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Article Content

Apr 21, 2026

01-10 OPTICAL MODULES

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

Sep 24, 2025

Huawei Optisches Modul Teilenummerndecoder – Offizielle

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

Jan 01, 2026

Optical Module

MPLS Protection EoS Protection Encapsulation and Mapping Service Grooming ASON DCN Security Clock Network

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Optical Modules for Huawei S Series Switches

To determine whether optical modules delivered for Huawei switches before July 1, 2013 are certified ones, contact Huawei technical

Sep 14, 2025

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

Jul 18, 2026

Understanding Optical Modules

If you know the model or type of an optical module, you can view the section "Pluggable Modules for Interfaces" in the Hardware

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What Is an Optical Module

An optical module is a device for converting electrical signals to optical signals and vice versa, widely used in telecommunications

Apr 07, 2026

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10 Gbit/s SFP+ Optical Module

10 Gbit/s SFP+ Optical Module You can use different levels of 10 Gbit/s SFP+ optical modules only with 10 GE

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What Is an Optical Module and Its FAQs (V300)

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

Jan 13, 2026

Optical Module Troubleshooting

If there is a Huawei logo on the label, the optical module has been certified for Huawei data center switches. If not,

Jun 24, 2026

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

These modules support transmission distances up to 60 km, provide excellent optical budgets, and are optimized for

Oct 04, 2025

Huawei Optical Module Common Models

Optical modules are important devices in fiber optic communication systems. Huawei Optical Module is manufactured by Huawei

Aug 06, 2025

Types of Optical Modules

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

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10GE SFP+ Optical Modules

10GE-CWDM SFP+ Optical Modules 10GE-DWDM SFP+ Optical Modules 40GE QSFP+ Optical Modules Industrial Optical Modules

Mar 04, 2026

StarryLink Optical Module

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

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Jan 14, 2026

10GE SFP+ Optical Modules

This document provides an overall description of the CE12800 series switches hardware, helping you obtain detailed information

Oct 26, 2025

Optical Module: Typical Optical Module Troubleshooting Procedure

Optical Module: Typical Optical Module Troubleshooting Procedure Check the model of the faulty optical module. If it is not a Huawei

Dec 10, 2025

Huawei Optical Transceiver Prices

Huawei Optical Transceiver Huawei Optical Transceivers available at Telecomate comprise a comprehensive range of high

Aug 07, 2025

Huawei Data Center Switch Optical Transceiver Portfolio

Description 40GBase-iSR4 Optical Transceiver, QSFP+,40G,Multi-mode (850nm,0.15km,MPO) (connecting to one QSFP+ or four

Sep 19, 2025

Huawei Unveils StarryLink Optical Modules That ...

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

May 12, 2026

Huawei Unveils StarryLink Optical Modules That Deliver Ultimate

BARCELONA, Spain, March 6, 2025 /PRNewswire/ -- At the Mobile World Congress 2025 (MWC 2025), Huawei

Sep 13, 2025

Optical Modules in General-Purpose Computing Scenarios

Huawei offers a comprehensive portfolio of pluggable StarryLink optical modules for data center networks, with various models

Jun 20, 2026

Fundamentals of an Optical Module

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

Feb 05, 2026

Types of Optical Modules

Optical modules are encapsulated in different modes to provide different structures. Huawei routers support optical modules of the

Aug 01, 2025

Checking the Optical Module Type

When certifying an optical module, Huawei switches comprehensively verify optical module functions to ensure the optical module

Aug 03, 2025

Huawei Unveils StarryLink Optical Modules That Deliver Ultimate

To address these challenges, Huawei''s StarryLink optical modules deliver a high-quality network experience with

Contact Us

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