

Types of Huawei s Optical Modules

Article Overview

Huawei optical modules include SFP, SFP+, SFP28, XFP, QSFP+, QSFP28, CFP, and PON SFP modules, supporting a wide range of transmission rates from FE/GE to 100GE and specialized broadband access networks.

Standard Optical Modules

Huawei optical modules are classified by transmission rates and form factors to meet diverse networking requirements :

- SFP (Small Form-Factor Pluggable): Supports FE (Fast Ethernet) and GE (Gigabit Ethernet) with LC fiber connectors. Hot-swappable and widely used in standard networking.
- eSFP (Enhanced SFP): Similar to SFP but supports monitoring of voltage, temperature, bias current, transmit and receive optical power.
- SFP+ (Small Form-Factor Pluggable Plus): Supports 10GE transmission, compatible with LC connectors.
- SFP28: Same interface size as SFP+, supports 25GE transmission.
- XFP (10 Gigabit Small Form-Factor Pluggable): Provides 10 Gbit/s transmission, larger than SFP+ modules, supports LC connectors.
- QSFP+ (Quad SFP Plus): Supports 40GE transmission, uses MPO fiber connectors, larger than SFP+.
- QSFP28: Same interface as QSFP+, supports 100GE or 40GE transmission.
- CFP (Centum Form-Factor Pluggable): Large module (144.75 mm × 82 mm × 13.6 mm), used in data communication and telecom for high-speed networks....

Article Content

Mar 01, 2026

Optical Module Solutions for Huawei S5700/S5720 Series Switches

This article summarizes several solutions for using optical modules with switches and common problems encountered

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10G to 100G: How to Choose the Right Huawei SFP, SFP+, and

This guide explains the key differences between Huawei SFP, SFP+, and QSFP modules and provides practical

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Understanding Optical Modules

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

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What Is StarryLink Optical Module? Why Do We Need It?

The StarryLink optical module is a core component developed by Huawei for data center networks. It delivers ultra

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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

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Understanding Optical Modules

Cables Pluggable Modules for Interfaces Important Notes About Using Optical Modules Certified for Huawei Switches Understanding

Feb 21, 2026

Huawei Optical Module Part Number Decoder

EXECUTIVE SUMMARY This document provides a comprehensive technical overview of the Huawei Optical Module Part Number

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Huawei Optical Module Common Models

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

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Types of Optical Modules

Provides detailed information about different types of optical modules and their applications in Huawei products.

Nov 08, 2025

01-10 OPTICAL MODULES

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

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Understanding Optical Modules

Optical Module Appearance and Structure Types of Optical Modules Optical Module Terms Rules for Optical Module Interoperation

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Types of Optical Modules

QSFP+ optical modules support MPO fiber connectors and are larger than SFP+ optical modules. Classified by physical layer

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Understanding Optical Modules

Important Notes About Using Optical Modules Certified for Huawei Switches Understanding Optical Modules What Is

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Types of Optical Modules

Huawei switches support optical modules of the following encapsulation types: CFP, QSFP+, QSFP28, XFP, SFP, eSFP, and SFP+.

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Displaying Optical Module Information

Run the display transceiver diagnosis interface [interface-type interface-number] command to view diagnostic information about a

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Types of Optical Modules

The higher transmission rate an optical module provides, the more complex structure it has. Optical modules are encapsulated in

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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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Types of Optical Modules

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

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Types of Optical Modules

Classified by transmission rates Depending on transmission rates, optical modules are classified into 400GE, 100GE, 40GE, 25GE,

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8 Pluggable Modules for Interfaces

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

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What Are the Common Types of Optical Modules?

What Are the Common Types of Optical Modules? Classification by Transmission Rate To meet various transmission rate

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Understanding Pluggable Optical Modules

Optical modules are available in various types to meet diversified requirements. Classified by transmission rates Currently, the

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Optical Modules for Huawei S Series Switches

Huawei switches support optical modules of the following encapsulation types: CFP, QSFP+, QSFP28, XFP, SFP, eSFP, and SFP+.

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Understanding Optical Modules

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

Jul 04, 2026

Optical Modules for Huawei S Series Switches

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

Contact Us

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