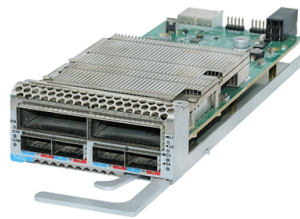


Different versions of Huawei optical modules



Article Overview

Huawei optical modules are classified by transmission rate, form factor, fiber type, and wavelength, ranging from GE to 800GE modules for diverse networking needs.

Classification by Transmission Rate

Huawei optical modules support a wide range of transmission rates to meet different network requirements: FE (Fast Ethernet), GE (Gigabit Ethernet), 10GE, 25GE, 40GE, 100GE, and up to 800GE for high-performance data center networks . Higher transmission rates generally require more complex module structures.

Form Factor Types

Huawei modules come in various pluggable form factors to fit different devices:

- SFP (Small Form-Factor Pluggable): Supports LC fiber connectors, suitable for GE and FE applications .
- eSFP (Enhanced SFP): SFP with monitoring capabilities for voltage, temperature, bias current, and optical power .
- SFP+: High-speed SFP for 10GE, more sensitive to EMI, with tighter cages and additional springs .
- SFP28: Same interface as SFP+, supports 25GE or 10GE modules .
- XFP: 10GE module, larger than SFP+, supports LC connectors .
- QSFP+ (Quad SFP+): Supports MPO fiber connectors, used for 40GE

Article Content

Types of Optical Modules

Multimode optical modules are used with multimode fibers. Multimode fibers have lower transmission performance than single-mode

Checking Whether the Optical Fiber and Optical Module Match

Figure 1 GE optical module Depending on the transmit optical power and overload optical power, optical modules are classified into

Huawei Optisches Modul Teilenummerndecoder – Offizielle

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

Understanding Optical Modules

Pluggable Modules Specifications Appendix Understanding Optical Modules Optical Module Appearance and Structure Types of

Understanding Optical Modules

Optical modules are encapsulated in different modes to provide different structures. Huawei S series devices support optical modules

Troubleshooting for Optical Modules on Huawei Switch

Troubleshooting for Optical Modules on Huawei Switch Many friends feedback that one problems occurred when using optical

Optical Modules in General-Purpose Computing Scenarios

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

Understanding Optical Modules

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

Optical Module

Optical Performance Optical Communication Technologies Optical Components Optical Power Management Ultra-High

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

Huawei Unveils StarryLink Optical Modules That ...

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

Optical Interface FAQ: Transceiver Compatibility Guidelines for

Q7: What is the optical module interoperability standard for different Huawei products? Broad interoperability between Huawei

Huawei Optical Module Common Models

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

Understanding Pluggable Optical Modules

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

Checking the Optical Module Type

For the Huawei-certified optical modules, Huawei has added Huawei logo and identifier and changed the vendor information in the

Understanding Optical Modules

This document provides an overall description of the CE16800 series switches hardware that V300R020C00 and later versions,

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

Types of Optical Modules

Optical modules are encapsulated in different modes to provide different structures. Huawei S series devices support optical modules

Important Notes About Using Optical Modules Certified for Huawei ...

100GE QSFP28 Optical Modules Important Notes About Using Optical Modules Certified for Huawei Switches How to Identify

Huawei Data Center Switch Optical Transceiver Portfolio

Description 100GBase-SWDM4 Optical Transceiver,QSFP+,100GE,Multi-mode Module(850,0.075km-OM3,0.1km-OM4,LC)

8 Pluggable Modules for Interfaces

Optical modules are encapsulated in different modes to provide different structures. Huawei S series devices support optical modules

01-10 OPTICAL MODULES

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

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

Contact Us

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