

Huawei Optical Module Model Comparison Table



Article Overview

Huawei optical modules vary by form factor, transmission rate, interface type, and application, offering solutions from 100M to 400G+ for data center and telecom networks.

Overview of Huawei Optical Modules

Huawei offers a wide range of pluggable optical modules designed for different network speeds and applications, including SFP, SFP+, SFP28, QSFP+, QSFP28, QSFP56, QSFP-DD, QSFP112, XFP, CFP, and BIDI modules . These modules perform optical-to-electrical and electrical-to-optical conversion, enabling high-speed data transmission over fiber networks .

Key Module Types and Features

- SFP (Small Form-Factor Pluggable): Supports 1G transmission, uses LC fiber connectors, and is compact for flexible deployment .
- eSFP (Enhanced SFP): Similar to SFP but supports monitoring of voltage, temperature, bias current, and optical power .
- SFP+: Supports 10G transmission, compatible with LC connectors, and is widely used in enterprise and data center networks .
- SFP28: Same interface size as SFP+, supports 25G transmission, ideal for high-density 25GE networks .
- XFP: 10G module, larger than SFP+, supports LC connectors, often used in teleco...

Article Content

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How Do I Select Optical Modules and Fibers?

Optical modules work with optical fibers to transmit optical signals. An optical module works in full-duplex mode with a pair of optical

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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

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Introduction of Optical Modules on Huawei Switches

Introduction of Optical Modules on Huawei Switches On an optical network, a sender needs to convert electrical signals into optical

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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

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Types of Optical Modules

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

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Optical Module

Optical Module Names This topic describes the names of optical modules used by WDM products.

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What Is an Optical Module and Its FAQs

As an important part of fiber-optic communication, an optical module is a photoelectric converter which converts electrical signals into

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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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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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WHAT IS AN OPTICAL MODULE AND ITS FAQS (V200)

An optical module works at the physical layer of the OSI model and is one of the core components in the fiber communication

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The Ultimate Guide to the Best SFP Modules for Huawei and ZTE

The following table provides a side-by-side comparison of the key optical parameters for the primary SFP module classes compatible

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Huawei Optical Module Parameter Comparison

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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Huawei GPON SFP B+ C+ C++ Introduction and Comparison

It converts electrical signals into optical signals over fiber optic cables in the GPON network. Huawei GPON module

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Optical Modules in General-Purpose Computing Scenarios

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

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

Introduction Huawei PON SFP modules are carrier-grade optical transceivers designed for GPON XG-PON XGS-PON

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Understanding Optical Modules

On an optical network, a sender needs to convert electrical signals into optical signals before sending them to a receiver, and the

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Understanding Pluggable Optical Modules

This type of optical module is mainly used in scenarios where one CSFP optical module connects to two BIDI SFP optical modules. It

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Understanding Pluggable Optical Modules

A QSFP-DD optical module is a high-speed pluggable optical module defined by QSFP-DD MSA. CXP: hot-pluggable high-density

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Understanding Optical Modules

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

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Understanding Optical Modules

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

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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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How Can I Interpret the Name of an Optical Module?

Understanding naming conventions of an optical module help you obtain all information contained in the optical module's name. This

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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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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,

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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

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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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Understanding Optical Modules

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

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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

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01-10 OPTICAL MODULES

Optical modules are available in various types to meet diversified requirements. Depending on transmission rates, optical modules

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Understanding Optical Modules

10GE SFP+ Copper Modules Accessories Understanding Optical Modules What Is an Optical Module Types of Optical Modules

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

Discover Huawei GPON and XG-PON SFP modules including Class B+, C+, C+ Pro, and D optics. Compare

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FAQs About Optical Modules

For details about the optical modules supported by optical ports on switches, see "Appearance and Structure" of a specific switch

Contact Us

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