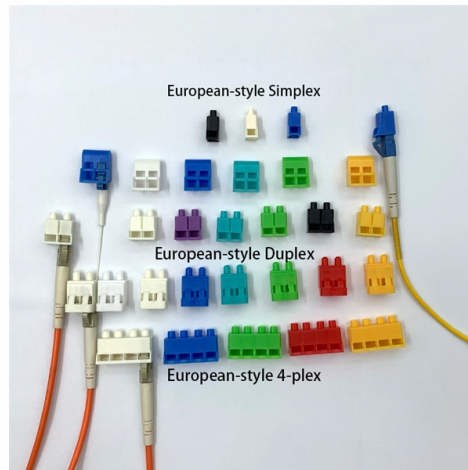


Commonly Used Optical Modules in Huawei



Article Overview

Huawei uses a wide range of optical modules, including SFP, SFP+, SFP28, XFP, QSFP+, QSFP28, CFP, and high-speed 400G/800G modules powered by self-developed photonic chips.

Common Optical Module Types

Huawei offers multiple pluggable optical module form factors for different network needs:

- SFP (Small Form-factor Pluggable): Standard gigabit modules for short- and long-distance transmission.
- SFP+: Enhanced SFP supporting 10 Gbit/s transmission.
- SFP28: Supports 25 Gbit/s, compatible with SFP+ interfaces.
- XFP: 10 Gbit/s modules with LC fiber connectors, larger than SFP+.
- QSFP+: Quad small form-factor pluggable supporting 40 Gbit/s, using MPO fiber connectors.
- QSFP28: Supports 100 Gbit/s or 40 Gbit/s, compatible with QSFP+ interfaces.
- CFP (Centum Form-factor Pluggable): Larger modules for high-capacity data communication and telecom applications.
- QSFP-DD (Double Density): High-density modules for 400G networks, with power consumption around 12-14 watts per module.

Article Content

Types of Optical Modules

Wavelength division multiplexing modules differ from other optical modules in center wavelengths. A common optical module has a

8 Pluggable Modules for Interfaces

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

What Are the Common Types of Optical Modules?

Classification by Center Wavelength The operating wavelength of an optical module is a range. To facilitate description, the center

Types of Optical Modules

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

Intelligent OptiX Network | OptiX | All-Optical Networking

Huawei's intelligent OptiX network strategy aims to build intelligent, simplified, ultra-broadband, and ubiquitous next generation all

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

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,

Understanding Optical Modules

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

Huawei Optical Module Common Models

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

Optical Modules in Intelligent Computing Scenarios

Optical Modules in Intelligent Computing Scenarios In the AI era, Huawei provides a full range of GE to 800GE optical modules,

Understanding Pluggable Optical Modules

A common optical module has a center wavelength of 850 nm, 1310 nm, or 1550 nm, whereas a wavelength division multiplexing

Understanding Optical Modules

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

01-10 OPTICAL MODULES

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

Understanding Optical Modules

Commonly used connector types are LC (applicable to all the SFP, SFP+, and XFP modules), SC, and MPO (applicable to 150 m

Understanding Optical Modules

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

What Are the Common Types of Optical Modules?

They are used for small-capacity, short-distance transmission. The transmit power of a long-distance optical module is often larger

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

Understanding Pluggable Optical Modules

The following lists some common optical modules, which may not be supported by this product. The figures are for reference only.

Types of Optical Modules

A common optical module has a center wavelength of 850 nm, 1310 nm, or 1550 nm, whereas a wavelength division multiplexing

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.yachtchartercapetown.co.za>

Email: info@yachtchartercapetown.co.za

Phone: +27 21 863 4927

Address: 1st Floor, The Towers, 1 St George's Mall, Cape Town, 8001, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

