Huawei Large Optical Module XSFP

Overview

Modern fiber networks rely heavily on Huawei LX SFP modules to send data over long distances. These small but powerful plugins use a 1310nm laser to push signals through single-mode fiber, reliably reaching up to 10km. On an optical network, a sender needs to convert electrical signals into optical signals before sending them to a receiver, and the receiver needs to convert received optical signals into electrical signals. Whether you are connecting different floors in a large building or linking two. An eSFP module is an SFP module that supports monitoring of voltage, temperature, bias current, transmit optical power, and receive optical power. Therefore, eSFP is also called SFP sometimes. XFP: 10 Gigabit small form-factor. Optical modules are important devices in fiber optic communication systems. During use, reading optical module information helps understand its real-time operating status, enabling faster troubleshooting of link abnormalities.

Article Content

8 Pluggable Modules for Interfaces

Huawei S series devices support optical modules of the following encapsulation types: CFP, QSFP+, QSFP28, XFP, SFP, eSFP, and SFP+. All optical modules are hot swappable.

Types of Optical Modules

According to the encapsulation type, optical modules are classified into SFP, eSFP, SFP+, XFP, SFP28, QSFP+, CXP, CFP, QSFP28, and QSFP-DD. All optical modules are hot swappable.

Understanding Optical Modules

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

1.25 Gbit/s SFP/eSFP Optical Module

You can use different levels of 1.25 Gbit/s SFP/eSFP optical modules with GE interfaces and 10 GE interfaces. The wavelength of common 1.25 Gbit/s SFP/eSFP optical modules can be 850

How To Read Optical Module Information On Huawei Switches

The following uses the Moduletek SFP-10G-LR module connected to a Huawei S6700 switch as an example to introduce how to read information of the connected optical module on a Huawei switch.

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) 100GBase-CWDM4 Optical Transceiver,QSFP28,100G,Single-mode ...

Huawei SFP-GE-SX-C 02312UUB Optical Transceiver,eSFP,GE,Multi

The Huawei SFP GE SX C 02312UUB is an Enhanced Small Form factor Pluggable (eSFP) transceiver module designed for use in Huawei networking equipment. Here''s a detailed product introduction and

Optical Module Encapsulation Types

SFP/eSFP Optical Module Small form-factor pluggable (SFP) optical modules are compact, hot-swappable, low-speed optical modules. They comply with the specifications defined in the multi

Huawei LX Compatible SFP Modules: Strategic Inventory Guide

The standard Huawei LX SFP module (also called SFP-GE-LX-SM1310) is designed to send data over single-mode fiber for up to 10km. This distance is usually enough for connecting different parts of a

10 Gbit/s SFP+ Optical Modules

10 Gbit/s SFP+ optical modules apply to 10 GE optical ports. The wavelength can be 850 nm, 1310 nm, or 1550 nm, and the transmission distance ranges from 0.5 km (0.31 mi) to 80 km (49.71 mi).

Understanding Pluggable Optical Modules

This reduces the optical fibers required. DWDM and CWDM modules are used for long-distance transmission. The transmit power of a long-distance optical module is often larger than its overload

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 transmission), Stable (ultra-high reliability), and Secure (ultra-solid

Cisco C9200L-24P-4G-E Switch: 24-Port PoE+, 4G Uplink

Enterprise-grade Cisco Catalyst 9200L switch with 24 PoE+ ports, 4x1G SFP uplinks, 370W PoE budget, and Network Essentials license. Ideal for secure campus networks.

Huawei Optical Module Common Models

Optical modules are important devices in fiber optic communication systems. Huawei Optical Module is manufactured by Huawei Technologies Co. and originated in Shenzhen.

10 Gbit/s XFP Optical Module

HUAWEI AntiDDoS8000 V500R005 Hardware Description 10 Gbit/s XFP Optical Module You can use different levels of 10 Gbit/s XFP optical modules with OC-192/STM-64 POS interfaces

Types of Optical Modules

This reduces the optical fibers required. DWDM and CWDM modules are used for long-distance transmission. The transmit power of a long-distance optical module is often larger than its overload

01-10 OPTICAL MODULES

Huawei S series devices support optical modules of the following encapsulation types: CFP, QSFP+, QSFP28, XFP, SFP, eSFP, and SFP+. All optical modules are hot swappable.

Understanding Pluggable Optical Modules

Therefore, when using such optical modules, select optical fibers of an appropriate length to ensure that the actual receive power is smaller than the overload power. If the optical fibers connected to a long

Optical Module Terms

Generally, multi-mode fibers have large core diameters and severe dispersion, so they transmit optical signals over short distances when working with multi-mode optical modules.

Types of Optical Modules

Huawei S series devices support optical modules of the following encapsulation types: CFP, QSFP+, QSFP28, XFP, SFP, eSFP, and SFP+. All optical modules are hot swappable.

Optical Modules Market Research Report 2034

The optical modules market was valued at $14.8 billion in 2025 and is projected to reach $39.6 billion by 2034, growing at a CAGR of 11.5%.

Huawei Technical Support

Discover Huawei''s technical specifications and features for 10Gbps SFP optical modules, enhancing connectivity and performance in enterprise networks.

Contact Us

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

Website: https://www.ourensemeeting.es
Email: sales@ourensemeeting.es
Phone: +34 685 473 921
Address: Calle de Alcalá, 25, 28014 Madrid, Spain

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