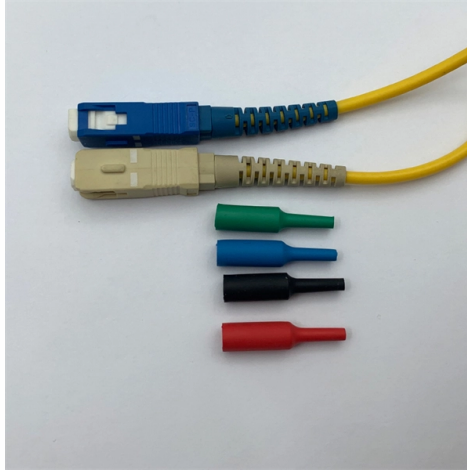


Huawei 400G Single-Mode Optical Module



Overview

The 400G QSFP-DR4 optical module uses a 1310nm EML transmitter type, with signals modulated via PAM4 (Pulse Amplitude Modulation). It can transmit over single-mode fiber for distances up to 500 meters, suitable for short-distance 400G, 200G, and 100G optical interconnects. Optical modules are optoelectronic devices that perform photoelectric and electro-optic conversions. Optical modules are classified by their packaging forms, with common types including SFP, SFP+, SFP28, QSFP+, QSFP28, QSFP56, QSFP-DD, QSFP112, and. This product is a 400Gb/s Quad Small Form Factor Pluggable-double density (QSFP-DD) optical module designed for 2km optical communication applications. The module converts 8 channels of 50Gb/s (PAM4) electrical input data to 4 channels of CWDM optical signals, and multiplexes them into a single. The Huawei QSFP-DD-400G-SR4 optical transceiver module represents a critical leap forward in short-range network solutions, delivering unprecedented bandwidth over multi-mode fiber (MMF). It supports data rates of up to 425 Gbps and is optimized for medium-reach communication, with a maximum transmission distance of up to 2 kilometers over single-mode fiber. This document provides an overall description of the CE16800 series switches hardware that V300R020C00 and later versions, helping you obtain detailed information about each chassis, power module, fan module, card, cable, and pluggable modules for ports. Version support: V300R020C10SPC200 and later.

Article Content

SFP-10G-ER-SM1270-BIDI 02311BJC Huawei Optical Transceiver

SFP-10G-ER-SM1270-BIDI 02311BJC Huawei Optical Transceiver 437.00 SFP-25G-eLR-BXD1-I 02314LCK Huawei Optical Transceiver \$437.00 Optisk transceiver, SFP28,25G,BIDI Single-mode

Huawei XFP-10G-1550NM-80KM-SM Optical Module Sample Report

Huawei has model XFP-10G-1550NM-80KM-SM optical module products, which can support 10G Ethernet transmission of 80KM in single-mode fiber, Moduletek Laboratory has tested

Huawei OPTICAL TRANSCEIVER SINGLE-MODE MODULE Price

Huawei OPTICAL TRANSCEIVER SINGLE-MODE MODULE price from Huawei price list 2022, Huawei router price, Huawei switch price

Huawei QSFP-DD-400G-DR4 Price Datasheet 400GBase-DR4

Check Huawei QSFP-DD-400G-DR4 product detail and price trend at itprice .

Optical Modules in General-Purpose Computing Scenarios

Huawei offers a comprehensive portfolio of pluggable StarryLink optical modules for data center networks, with various models providing flexible plug-and-play solutions tailored to diverse interface

QSFP-DD-400G-SR4 Optical Transceiver 1. Summary

The Huawei QSFP-DD-400G-SR4 optical transceiver module represents a critical leap forward in short-range network solutions, delivering unprecedented bandwidth over multi-mode fiber

Understanding Optics Module Trends and Growth Dynamics

The optics module market is booming, projected to reach \$42 billion by 2033, driven by 5G, cloud computing, and data center expansion. Learn about key market trends, leading companies, and

Huawei Compatible 400GBASE-FR4 QSFP-DD 400G 1310nm 2km

It supports data rates of up to 425 Gbps and is optimized for medium-reach communication, with a maximum transmission distance of up to 2 kilometers over single-mode fiber (SMF).

Optical Module Industry Statistics 2026

The optical module industry is facing increasing pressure to reduce its carbon footprint, with 40% of manufacturers targeting net-zero emissions by 2030. Competition in the 400G optical

Huawei QSFP-DD-400G-SR8 Optical Module Datasheet

The transmitting end of an optical module converts electrical signals into optical signals, while the receiving end converts optical signals back into electrical signals. Optical modules are classified by

The Most Comprehensive Guide Of Optical Modules

Explore the ultimate guide to optical modules. Learn types, functions, performance metrics & how to choose the right module for your fiber network.

400GBASE-FR4 QSFP-DD 1310nm 2km Transceiver Datasheet | FS

The Huawei QSFP-DD-400G-SR4 optical transceiver module represents a critical leap forward in short-range network solutions, delivering unprecedented bandwidth over multi-mode fiber

Next-Generation Connectivity: The Crucial Role of 800G OSFP DR4 ...

This 800G OSFP DR4 module represents a significant leap in optical engineering, utilizing 8 lanes of 100G PAM4 modulation to facilitate high-speed data transmission over 500 meters of

400GE QSFP-DD Optical Modules

This document provides an overall description of the CE16800 series switches hardware that V300R020C00 and later versions, helping you obtain detailed information about each chassis, power

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

Compatibility Analysis of Optical Modules: Covering Global

Matching modules: 1G multi-mode, 10G single-mode, etc., with transmission distances ranging from 550 meters to 80 kilometers. 5G fronthaul scenario 25G BIDI ZR module: single-fiber

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21 Companies and suppliers for huawei+optical+module+supplier+list Find wholesalers and contact them directly Leading B2B marketplace Find companies now!

400GBase FR4 Datasheet

The module converts 8 channels of 50Gb/s (PAM4) electrical input data to 4 channels of CWDM optical signals and multiplexes them into a single channel for 400Gb/s optical transmission.

huawei-optical-module-supplier-list Manufacturer/Producer

All suppliers for huawei-optical-module-supplier-list Manufacturer/Producer Find wholesalers and contact them directly B2B marketplace Find companies now!

SFP-25G-LR-BXU1-I 02314LBS Huawei Optical Transceiver

Optisk transceiver,SFP28,25G,BIDI Single-mode Module (TX 1270nm/RX 1330nm,10km,LC)

The Ultimate Guide to SFP Modules (2026): Types,

Confused by SFP vs SFP+? Read the definitive 2026 guide on SFP modules. We explain Single Mode vs Multimode, DDM diagnostics, and how to choose the right

What Is an Optical Module and Its FAQs (V200)

Therefore, optical modules are also classified into single-mode and multimode modules to support different optical fibers. Single-mode optical modules have a typical center wavelength of 1310 nm or

Huawei OSX010000 SFP+ 10G Single Mode Optical

Huawei OSX010000 SFP+ 10G transceiver for single-mode fiber, 1310nm wavelength, 10km range. Compliant with 10Gbase-LR standard.

Overview of 400G QSFP-DD DR4 Optical Module and Connection

The 400G QSFP-DR4 optical module uses a 1310nm EML transmitter type, with signals modulated via PAM4 (Pulse Amplitude Modulation). It can transmit over single-mode fiber for

400G Optical Modules 2026 Guide: DR4 vs. FR4 vs. LR8 Lab

Our CCIE/HCIE team shares lab-tested benchmarks for DR4, FR4, and LR8, focusing on power efficiency, latency, and AI cluster scalability.

Optical Module Encapsulation Types

Quad small form-factor pluggable-double density (QSFP-DD) is a four-lane preferred encapsulation mode of 400G optical modules, supporting continuing growth in network bandwidth demand and data

Contact Us

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