Huawei Single-Mode 100G Optical Module



Overview

02311KNU - Genuine Huawei QSFP28-100G-LR4 100GBase-LR4, Optical Transceiver, QSFP28, 100G, Single-mode Module (1310nm, 10km, LC) Basic Information Transmitter Optical Characteristics Receiver Optical Characteristics This 02311KNU is 100% genuine Huawei product. Optical modules are optoelectronic devices that perform photoelectric and electro-optic conversions. It won't have any compatibility. As one of the most popular transceiver types in 100G Ethernet applications, the QSFP 100G LR4 offers a powerful combination of long reach, compact form factor, and compatibility with single-mode fiber networks. To better understand why it has become an industry standard, let's break down its. Huawei offers a comprehensive series of pluggable optical modules in the Huawei portfolio. 1Gbps Quad Small Form-factor Pluggable QSFP28 module for use in 100GBASE Ethernet. QSFP28 LR4 provides 100Gb/s throughput up to 10km over single-mode fiber (SMF) with host FEC using 1295. 14nm. ers, only the short transmission distance is supported.

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Article Content

Mar 04, 2026

Huawei Campus Optical Module Portfolio

BIDI optical module is equipped with a wavelength division multiplexer (WDM) coupler, that is, a duplexer, which converges and separates data transmitted on a single optical fiber based on

Dec 03, 2025

Huawei QSFP28-100G-LR4 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

Dec 11, 2025

Optical Modules for Huawei S Series Switches

Multi-mode optical modules are applicable to short-distance transmission, while single-mode optical modules are applicable to long-distance transmission. Single-mode optical modules will be widely

Mar 26, 2026

Huawei QSFP-DD-400G-SR4 400G Optical Transceiver Module

Every Huawei QSFP-DD-400G-SR4 module undergoes a rigorous 100% testing procedure on original Huawei hardware to verify performance and compatibility. We provide:

Apr 14, 2026

QSFP-100G-CWDM4 02311MNN Huawei Optical Transceiver

100GBase-CWDM4 optisk transceiver,QSFP28,100G,Single-mode modul (1310nm,2km,LC)

Jun 22, 2026

Huawei QSFP-100G-CWDM4 Optical Module Datasheet

Datasheet Huawei offers a comprehensive series of pluggable optical modules in the Huawei portfolio. The wide variety of modules gives you flexible and plug-and

Apr 12, 2026

QSFP 100G LR4: 1310nm Single Mode Fiber Module Explained

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Understand QSFP 100G LR4 optical transceiver for high-speed 100G network, long-reach single-mode fiber links, and efficient data center or campus deployment.

Jul 04, 2025

What Is an Optical Module and Its FAQs (V200)

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, common types,

Nov 21, 2025

Optics Transceiver Module Market 2025

Which key companies operate in Global Optics Transceiver Module Market? -> Key players include TDK, Hamamatsu Photonics, Cisco, HP, Juniper, Huawei, Broadcom, among others. What are the

May 17, 2026

100GE QSFP28 Optical Modules

100GE QSFP28 Optical Modules QSFP-100G-4WDM-40 QSFP-100G-CWDM4 QSFP-100G-CWDM4-Lite QSFP-100G-ER4 QSFP-100G-SWDM4 QSFP28-100G-1310-40km-SM QSFP28-100G-DR

Mar 17, 2026

Huawei OPTICAL MODULE SFP+ Price

The Best Huawei Products Price List Checking Tool ICT–Router, Switch, Optical Transmission & Access Network

Nov 06, 2025

Huawei Data Center Switch Optical Transceiver Portfolio

Huawei Data Center Switch Optical Transceiver Portfolio QSFP28 MPO12 Connector Model

Apr 13, 2026

100Gbps QSFP28 Optical Modules

QSFP-100G-CWDM4 QSFP28-100G-LR4 QSFP28-100G-SR4 QSFP-100G-4WDM-40 QSFP-100G-CWDM4-ISP QSFP-100G-CWDM4-Lite QSFP-100G-ER4 QSFP-100G-SWDM4 QSFP28-100G-1310

Dec 10, 2025

Optical Transceivers / SFP Modules – High-Performance Compatible

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Comprehensive Optical Transceivers & SFP Module for High-Speed Networks LINK-PP offers a full range of optical transceivers and SFP module for modern data centers, telecom networks, and

Jan 27, 2026

SFP-GE-LX-SM1490-BIDI 02315286 Huawei Optical Transceiver

Optisk transceiver,eSFP,GE,BIDI Single-mode Module (TX1490/RX1310,10km,LC)

Aug 19, 2025

Huawei 100GE Optical Modules

Buy genuine Huawei 100GE opitcal modules from GenuineModules with best prices and fast worldwide shipping.

Mar 03, 2026

CQP-31100G-LR4 100G QSFP28 LR4 Optical Transceiver

Discover the details of CQP-31100G-LR4 100G QSFP28 LR4 Optical Transceiver at LonRise Equipment Co. Ltd., a leading supplier in China for Optical Transceiver Module and SFP

Oct 30, 2025

Huawei QSFP-100G-LR4-ISP 02312KDM 100GBase-LR4 Optical

The Huawei QSFP 100G LR4 ISP 02312KDM is a high performance, 100 Gigabit Ethernet (100G) optical transceiver module designed for use in data centers, high speed networking, and

Jan 23, 2026

Pluggable Optical Module Market Research Report 2034

The pluggable optical module market was valued at $9.8 billion in 2025 and is projected to reach $26.4 billion by 2034, growing at a CAGR of 11.6%.

Oct 01, 2025

QSFP-100G-ZR4 02314DBR Huawei 100G-ZR4 Optical Transceiver

100G-ZR4 Optical Transceiver,QSFP28,100G,Single-mode module (1310nm,80km,LC)

Aug 25, 2025

Displaying Optical Module Information

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How Can I Determine Whether an Optical Module Is Single-Mode or Multi-Mode? The system may fail to obtain information about non-Huawei-certified switch optical modules or obtain incorrect information.

May 02, 2026

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

Dec 14, 2025

Huawei QSFP-100G-LR4 Compatible 100GBASE-LR4 QSFP28

Huawei QSFP-100G-LR4 compatible optical transceiver is a parallel 103.1Gbps Quad Small Form-factor Pluggable QSFP28 module for use in 100GBASE Ethernet. QSFP28 LR4 provides 100Gb/s

May 01, 2026

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

Mar 21, 2026

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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Contact Us

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