Huawei Optical Module Multimode 40G



Overview

40Gbps QSFP+ Optical Modules 1Gbps eSFP Optical Modules 10Gbps SFP+ Optical Modules 40Gbps QSFP+ Optical Modules 100Gbps QSFP28 Optical Modules Cables Hard.

Key Takeaways

The Huawei QSFP-40G-LX4-MM is a 40Gbps multimode optical transceiver designed for high-speed data center and enterprise networks, supporting up to 150 meters over OM3/OM4 fiber with LC duplex connectors.

Overview

The Huawei QSFP-40G-LX4-MM is a high-performance 40GBASE-LX4 QSFP+ optical transceiver engineered for short-to-medium range multimode fiber communication in enterprise and cloud networking environments. It enables organizations to upgrade to 40G Ethernet while reusing existing LC cabling, reducing deployment costs and complexity.

Key Specifications



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Data Rate: 40Gbps (4x10Gbps channels using CWDM)Fiber Type: Multimode (OM3/OM4)Maximum Transmission Distance: Up to 150 meters over OM3/OM4 fiber Wavelengths: Four CWDM wavelengths—1271nm, 1291nm, 1311nm, 1331nmConnector Type: LC duplexForm Factor: QSFP+ hot-pluggable, compliant with IEEE 802. 3ba standardsPower Consumption: Low, optimized for high-density switch deploymentsMonitoring: Supports Digital Diagnostic Monitoring (DDM) for real-time monitoring of temperature, voltage, optical transmit/receive power, and laser bias current AdvantagesCost-Effective Upgrade: Reuses existing LC multimode fiber infrastructure, avoiding the need for MPO cabling used in SR4 modules Simplified Cabling: Uses wavelength division multiplexing (CWDM) to transmit four independent 10Gbps channels over a single duplex fiber pair Compatibility: Works with Huawei switches, routers, storage systems, and other hardware supporting QSFP-40G-LX4-MM modules Reliability: Built with high-quality lasers and ICs, ensuring long service life and stable optical performance ApplicationsEnterprise core networksCloud data centersStorage systemsHigh-performance computing environmentsAny scenario requiring stable 40G Ethernet connectivity over multimode fiber SummaryThe Huawei QSFP-40G-LX4-MM is an ideal solution for organizations seeking high-speed, energy-efficient, and cost-effective 40G Ethernet connectivity over existing multimode fiber infrastructure.

Its compact QSFP+ form factor, low power consumption, and DDM support make it suitable for modern data centers and enterprise networks where reliability and scalability are critical.

Article Content

40Gbps QSFP+ Optical Modules

1Gbps eSFP Optical Modules 10Gbps SFP+ Optical Modules 40Gbps QSFP+ Optical Modules 100Gbps QSFP28 Optical Modules Cables Hardware Installation Maintaining the Hardware

40GE QSFP+ Optical Modules

This document provides an overall description of the CE12800 series switches hardware, helping you obtain detailed information about each chassis, power module, fan module, card, cable, and

Huawei 40GE Optical Modules

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Huawei QSFP-40G-LX4-MM QSFP 40GBASE-LX4 Multimode

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The QSFP-40G-LX4-MM 40GBASE-LX4 LC Duplex QSFP compatible with Huawei has a receiving function (receiver with CWDM) and a transmitting function (transmitter with CWDM) for the

QSFP-40G-SR4-HW

The Huawei Optical Transceiver, Quad Small Form-Factor Pluggable (QSFP), 40G, Multimode Module (850 nm, 0.15 km, MPO) (connecting to one QSFP+ optical Transceiver) is guaranteed 100%

40G QSFP+ Transceiver Modules | Optical

FS 40G QSFP+ optical transceiver module solutions offer a full range of QSFP+ modules from 150m to 80km reach, and used for high-density switching, routing

Huawei QSFP-40G-iSR4 Compatible 40GBASE-SR4

The third-party 40G SFP module is an ideal substitute to the Huawei QSFP-40G-SR4 QSFP+ 40G transceiver at an affordable price, providing a cost

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,

Meaning of Optical Module Pull Tap Colors

① Multimode fiber optic module: The pull tap is black, corresponding to a wavelength of 850nm, suitable for short-distance transmission (such as less than 2km).

Optical Module SFP-GE-SX-MM850 1.25G SFP Dual LC 55m Multimode

Optical Module SFP-GE-SX-MM850 1.25G SFP Dual LC 55m Multimode for Huawei/Cisco/H3C/Other AI Computing/HPC/Data Center

SFP products,suppliers,manufacturers

The QSFP-40G-SR4 is a high-performance optical transceiver module designed for use in high-speed data communication and networking applications. As part of the Quad Small Form-factor Pluggable

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 interfaces. The wavelength of these 10 Gbit/s SFP+ optical modules can be

400G vs 800G Optical Modules: Differences, Use Cases, and

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Compare optical modules for data centers and AI clusters. Learn key differences in standards, power, cabling, and use cases.

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 types of interfaces.

Huawei 40G QSFP Switch Guide: CE6800 & CE12800 Specs

Compare Huawei CloudEngine 40G switches (CE6800, CE12800), QSFP+ module compatibility (SR4/LR4), and deployment guidance for AI-ready Ethernet fabrics.

Understanding Pluggable Optical Modules

Therefore, optical modules are also classified into single-mode and multimode modules to support different optical fibers. Single-mode optical modules are used with single-mode fibers.

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CE6851-48S6Q-HI-B (02350JAQ) Datasheet Buy Huawei, Cisco, Zte, Hpe, Dell, Fortinet Network Equipment Online In China At Low Price! 10G-SFP+ Optical Transceiver SFP

Types of Optical Modules

Multimode optical modules are used with multimode fibers. Multimode fibers have lower transmission performance than single-mode fibers because of modal dispersion, but their costs are also lower.

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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