Compatible QSFP28QSFP-DD optical modules Fiji supplier

Overview

Our experts are ready to assist with compatibility questions, deployment planning, and bulk order solutions.

Key Takeaways

QSFP28 and QSFP-DD modules are backward-compatible, high-speed optical transceivers suitable for 100G to 400G networks, and can be sourced from global distributors with shipping to Fiji. Module OverviewQSFP28 (Quad Small Form-factor Pluggable 28) supports 100G Ethernet using four 25G lanes, with CAUI-4 electrical interfaces. It can use multimode or single-mode optics, including SR4, LR4, and ER4, depending on distance requirements.

QSFP-DD (Quad Small Form-factor Pluggable Double-Density) doubles the electrical lanes compared to QSFP28, supporting 400G and 800G speeds while maintaining the same port density. QSFP-DD is backward-compatible with QSFP28 slots, allowing flexible upgrades without replacing existing hardware. Both module types are MSA-compliant and widely interoperable with major switch and router brands such as Cisco, Juniper, Huawei, and Arista.

Compatibility Considerations

Backward Compatibility: QSFP-DD modules can operate in QSFP28 ports, but the speed will be limited to 100G. Fiber Type: Ensure the module matches your fiber infrastructure (single-mode vs multimode). Connector Type: QSFP28 typically uses LC or MPO connectors; QSFP-DD may use MPO for parallel optics.

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FE

C and Protocol Alignment: Verify Forward Error Correction (FEC) settings and switch compatibility to avoid link failures.

Sourcing Options for Fiji

While no Fiji-specific suppliers are listed in the web results, global distributors such as Pivotal Optics offer QSFP28 and QSFP-DD modules with international shipping. Other options include: LINK-PP: Offers MSA-compliant modules compatible with major brands. Cisco Authorized Resellers: Provide certified QSFP-DD modules optimized for Cisco switches.

Regional I

T Distributors: Contact distributors in Australia or New Zealand, as they often ship to Fiji. When sourcing, confirm the module's brand compatibility, warranty, and shipping options to Fiji. For cost-effective deployment, third-party MSA-compliant modules are often compatible with multiple switch vendors, but always verify with your network equipment documentation.

Recommendation

For Fiji-based deployment: Identify your network switch or router model and check supported transceiver types. Choose QSFP28 for 100G links or QSFP-DD for 400G/800G upgrades. Contact global distributors like Pivotal Optics or regional resellers in Australia/New Zealand for shipping to Fiji.

Verify FE

C, fiber type, and connector compatibility before purchase to ensure seamless integration. This approach ensures high-speed connectivity while maintaining flexibility for future network upgrades.

Article Content

Is QSFP28 compatible with QSFP-DD□

Yes, QSFP28 and QSFP-DD are compatible with each other. The QSFP-DD (Quad Small Form-factor Pluggable Double Density) transceiver is designed to be backwards compatible

Optical Transceivers SFP SFP28 QSFP28 QSFP-DD 1G to 400G Range

Our experts are ready to assist with compatibility questions, deployment planning, and bulk order solutions. Whether you''re optimizing an existing network or building something new, we''ll help you

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How to Choose QSFP Modules: 40G, 100G & QSFP-DD Guide

Learn how to choose QSFP modules for 40G, 100G, QSFP28, QSFP56, and 400G QSFP-DD networks. Compare speed, distance, fiber type, compatibility, and LINK-PP products.

SFP/SFP+/QSFP28/QSFP-DD Transceivers | OEM Compatible

From legacy 1G SFP uplinks to hyperscale 800G OSFP AI clusters, our modules are built on MSA standards and powered by top-tier DSP chips (Broadcom/Inphi). We offer a cost-effective alternative

QSFP28 vs. QSFP-DD: How to Select the Right 100G/400G Module

QSFP28 vs. QSFP-DD explained for engineers. Compare electrical lanes, speed, power, compatibility, and deployment scenarios to select the right 100G or 400G optical module.

100G QSFP28 Transceiver Modules | Optical

FS offers a growing portfolio of 100G QSFP28 modules. The 100G QSFP28 module solution provides high-performance 100GbE connectivity for data centres,

Fitting a Comparison Between QSFP28 and QSFP-DD

Explore the compatibility of QSFP28 and QSFP-DD transceivers in data centers. Discover how these optical modules support high-speed data

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Find Cisco-compatible 1000BASE and 10 Gigabit Ethernet transceiver modules, covering SFP, SFP+, QSFP28, and QSFP-DD types, designed for seamless and efficient network upgrades.

QSFP-DD Hardware

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August 7, 2020 Abstract: This specification defines: the electrical and optical connectors, electrical signals and power supplies, mechanical and thermal requirements of the pluggable QSFP Double

Top Optical Transceiver Modules for Data Center Applications

Introduction: Why Optical Modules Are Critical to Data Center Infrastructure In today''s cloud-first, AI-driven, and 5G-enabled landscape, optical transceiver modules play a pivotal role in

HPC Optics | SFP, SFP+, XFP, QSFP, QSFP28, QSFP-DD, OSFP,

HPC Optics is a leading supplier of fiber optic transceivers and active optical cables (AOC). Our transceivers are ideal for high-performance computing networks in data centers | HPC Optics

How to Choose the Right Fiber Optic Cable for Your Optical Transceiver

Learn how to choose the right fiber optic cable for SFP, SFP+, SFP28, QSFP+, QSFP28, QSFP-DD, and OSFP optical transceivers. Avoid common fiber compatibility mistakes and improve

The Ultimate Reference Table for SFP & QSFP Optical Transceiver ...

The definitive guide to SFP, QSFP, and QSFP-DD standards for 2025. Compare 400G/800G optics, understand PAM4 complexity, and master QSFP-DD vs OSFP deployment

SFP, QSFP, QSFP-DD & OSFP Cages: The 10G-to-800G Selection

⚡ AOC & DAC Cables — short-reach GPU interconnects, OEM compatible □□ SFP / SFP+ / SFP28 / QSFP28 Modules — 1G to 100G optical transceivers □□ Data Center Cabling Solutions —

SFP-FE-LH150-SM1550 Suppliers,manufacturers -Etulinktechnology

Find SFP-FE-LH150-SM1550 at ETU-Link,we are committed to provide professional technical SFP-FE-LH150-SM1550. Competitive price!

Small Form-factor Pluggable

Small Form-factor Pluggable Small Form-factor Pluggable connected to a pair of fiber-optic cables Small Form-factor Pluggable (SFP) is a compact, hot-pluggable network interface module format used for

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

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