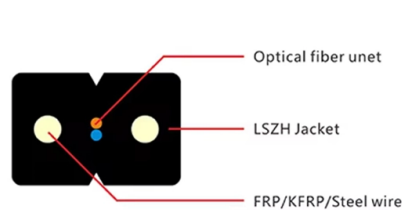


Compatible QSFP-DD pluggable optical modules from US suppliers



AI Overview

US suppliers like Cisco and Acacia offer a wide range of QSFP-DD pluggable optical modules, including 400G and 800G variants, compliant with OIF, OpenZR+, and OpenROADM standards.

Cisco QSFP-DD Modules Cisco provides a comprehensive portfolio of QSFP-DD pluggable optical modules suitable for data center, metro, and long-haul applications. Key offerings include:

- 400G QSFP-DD Digital Coherent Optics:** Supports point-to-point transmission up to 120 km using the ZR standard, compliant with OIF MSA for interoperability with other vendors' modules.
- 800G QSFP-DD Coherent Optics:** Enables 800G traffic over DWDM links up to 120 km for 800ZR and beyond 1000 km for 800G ZR+, leveraging CMOS and coherent technology.
- Form Factor Compliance:** Mechanically compliant with QSFP-DD MSA, supporting duplex LC connectors and backward compatibility with existing QSFP-DD ports.

Cisco modules are ideal for data center interconnects (DCI), metro/regional networks, and service provider interconnects, offering high reliability and low power consumption.

Acacia QSFP-DD Modules Acacia, a US-based supplier, offers QSFP-DD modules optimized for high-density switch and router ports:

- Interoperability:** Supports OIF, OpenZR+, and OpenROADM MSA standards, ensuring compatibility across multiple vendors.
- Applications:** Suitable for DCI edge, metro/regional, long-haul, and ultra-long-haul networks, with flexible line rates and host Ethernet support.
- Technology:** Powered by Delphi DSP ASICs and silicon photonic integrated circuits for high-performance, low-power operation, ideal for AI-scale data centers and service provider networks.

Common 400G QSFP-DD Types For shorter distances or specific network requirements, common 400G QSFP-DD modules include:

- SR8:** Short-range, multi-mode fiber, up to 100 m with MPO-16 connector.
- DR4:** Mid-range, single-mode fiber,...

Article Content

Optical Transceivers | Coherent

Get the pluggable module performance you need from the manufacturer of choice for all major networking equipment vendors worldwide.

800G Optical Transceivers: The Guide for AI Data Centers

The complete guide to 800G Optical Transceiver standards (QSFP-DD vs. OSFP). Overcome supply shortages and scale your AI data center with Utmel Electronic.

A Comprehensive Guide to 400G OSFP Ethernet

This comprehensive product portfolio enables customers to complete network hardware selection and procurement within a unified supply framework,

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

OEM-compatible optical transceivers from 1G to 800G—SFP, SFP28, QSFP28, QSFP-DD & OSFP. MSA-compliant, TAA-certified, lifetime warranty. Find your module today.

The Evolution of Optical Modules: 400G → 800G → 1.6T – A Strategic ...

Discover the evolution from 400G to 800G and 1.6T optical modules. Learn key technologies, CPO vs pluggable, and upgrade strategies for future-ready data centers.

Cisco DP04QSDD-HE0 Compatible 100-400GbE DCO QSFP-DD

Cisco DP04QSDD-HE0 Compatible 100G-400G QSFP-DD High-Power (Bright) DCO ≤80km Unamplified SMF DOM LC Duplex DWDM Tunable Coherent Optical Transceiver Module

SFP vs SFP+ vs QSFP28 vs QSFP-DD: 2026 Optical Buyer's Guide

Compatibility Note: An SFP+ port is backwards compatible with an SFP module, but an SFP+ module will not physically or electrically operate in an SFP-only port. 2. The High-Speed Data

Simplify 400G Deployments with ProLabs'' Modular Line System

Our fully pluggable solution combines the convenience of pluggable optical amplifiers (available in QSFP-DD Dual Pluggable or QSFP Pluggable form factors) with an easy-to-use 8

Cisco QSFP-DD and OSFP 800G ZR/ZR+ Coherent

These digital coherent optics modules enable 800G traffic over amplified DWDM links up to 120 km for 800ZR and over 1000 km for 800G ZR+.

QSFP-DD Connector System

QSFP-DD Interconnect System enables faceplate density equal to the current 2x1 QSFP form factor, but with 8-lane ports. In other words, a total of 256 differential pairs with 32 ports delivers double-lane

Arista QDD-200G-2LR43 | 200G QSFP-DD Transceiver, 2x100G-LR4,

The Arista QDD-200G-2LR43 is a hot-pluggable QSFP-DD optical transceiver designed for high-speed 200 Gigabit Ethernet applications in data center and enterprise networks. Featuring 2x 100GBASE

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

400G and 800G modules are typically in form factors like QSFP-DD and OSFP, which can fit many high-speed lanes into one module. 400G Optical Modules 400G is already widely

Wholesale Optical Transceivers Module | 100G QSFP28, 40G QSFP

Shop high-speed optical transceivers from Unitekfiber. We offer 100% compatible 40G, 100G, and 400G QSFP-DD modules for data centers. Expert technical support & wholesale pricing.

400G Optics

All Juniper qualified 400G optics are compliant with key industry standards and specifications for seamless interoperability in multivendor environments.

Cisco 400G Digital Coherent Optics QSFP-DD Optical

Cisco offers a comprehensive range of pluggable optical modules in the Cisco ® pluggables portfolio. The wide variety of modules gives you flexible

QSFP-DD Optical Module Overview: What is the differ?

This article will introduce the next generation optical module in detail, QSFP-DD, also known as quad small factor pluggable, and this article will also introduce the difference between

SFP vs SFP+ vs SFP28 vs QSFP+ vs QSFP28 vs QSFP-DD vs

The diversity of optical transceivers is reflected in various connector types and form factors, including SFP, SFP+, SFP28, QSFP+, QSFP28, QSFP-DD, and OSFP. But what are the

Ultimate QSFP Transceiver Guide: Types (40G/100G)

Confused by QSFP types? Decode the differences between QSFP+, QSFP28 (100G), and QSFP-DD. Learn how to select the right speed, connector (SR4 vs

Cisco 400G Digital Coherent Optics QSFP-DD Optical Modules Data

In late 2016, these network operators and a few vendors identified 400G as an intersection point for the industry to support coherent optics in the same form factors as emerging

What factors influence 400G optical transceiver modules price?

QSFP-DD (Quad Small Form-Factor Pluggable Double-Density): Compact “eight-lane” design compatible with most legacy QSFP cages via a mechanical adapter. Broad OEM support helps

QSFP-DD Compatible Switches: Complete 2025

Find which switches support QSFP-DD modules. Our 2025 guide covers Cisco, Arista, Juniper and NVIDIA platforms with backward compatibility tips.

Cisco 400G QSFP-DD Cable and Transceiver Modules

The Cisco® family of QSFP-DD modules provide the industry's highest bandwidth density while leveraging the backward compatibility to lower

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

How to choose pluggable cages: SFP vs QSFP vs QSFP-DD vs OSFP, belly-to-belly stacking, integrated vs riding heat sinks, press-fit vs solder, and TE/Molex cross-reference.

Arista QDD-400G-DR4 Compatible 400GBASE-DR4 QSFP-DD 500m

Arista QDD-400G-DR4 Compatible 400GbE QSFP-DD DR4 1310nm 500m FEC SMF Optical Transceiver Module (PAM4, MTP/MPO, DDM, Commercial Temp) NADDOD Arista QDD-400G-DR4

SFP Module Transceivers, Manufacturer & Supplier

SFP Module: Everything You Need To Know ! SFP (Small Form Factor Pluggable) is a compact, hot-swappable transceiver module that converts electrical signals

QSFP-DD Connector System

QSFP-DD Interconnect System's 8-lane electrical interface transmits 28G NRZ, 56G PAM-4 and 112G PAM-4, up to 200, 400 or 800 Gbps aggregate. Backwards compatible with QSFP.

Contact Us

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