

Jordan SFP Optical Module QSFP-DD



Overview

The JFOPT QSFP-DD 400G (4x100G) 1310nm 2km FR4 LC DX transceiver is a high-performance 400Gb/s Quad Small Form Factor Pluggable-double density (QSFP-DD) optical module designed for optical communication applications over distances of up to 2km. Cisco offers a range of GBIC, SFP, XFP, SFP+, CXP, CFP, Cisco CPAK, and QSFP+ pluggable modules. These small, modular optical interface transceivers offer a convenient and cost-effective solution for an array of applications in the data center, campus, metropolitan-area access and ring network. JFOPT continues to invest in optical transceiver production, covering a full range of optical transceiver such as 1*9, SFP, 10G, 25G, 100G, 200G, 400G, 800G GPON/EPON/XG/XGSPON OLT transceiver. It explains their technical differences, compatibility considerations, and ideal use cases to help readers choose the. JTOPTICS® data center Solution simplifies the delivery of network services by providing reliable infrastructure components assembled and tested in a factory-controlled environment.



Article Content

Hot

The Big Differences Between SFP, SFP+, SFP28,

Delve deep into the world of optical modules. From SFP to the latest QSFP-DD, explore their differences, applications, and what to consider for your

Dec 08, 2025 Hot

Dell networking transceivers and cables

Optical interoperability of SFP, SFP+, SFP28 with selected QSFP and QSFP-DD modules Offers pay-as-you-use model for lower total cost of ownership (TCO) and ease of technology migration

Dec 15, 2025 Hot

Complete Guide to QSFP-DD, QSFP28, QSFP56,

As high-speed networks continue to evolve, optical transceivers like QSFP-DD, QSFP28, QSFP56, SFP56, and SFP28 have become the core components

Nov 25, 2025 Hot

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

It contains a duplex LC connector for the optical interface and a 76-pin connector for the electrical interface. To minimize the optical dispersion in the long-haul system, single-mode fiber (SMF) has to

Aug 06, 2025 Hot

QSFP-DD 400GBASE-DR4 1310nm 500m Transceiver Datasheet

An optical fiber cable with an MTP/MPO-12 connector can be plugged into the QSFP-DD DR4 module receptacle. Proper alignment is ensured by the guide pins inside the receptacle. The cable usually

May 23, 2026 Hot

400G Optical Transceivers: What's the Difference Between OSFP and QSFP-DD?

Application Scenarios: Both QSFP-DD and OSFP are suitable for data center interconnect (DCI) scenarios, including direct attach copper cables (DAC), active optical cables (AOC), and fiber optic

Dec 07, 2025 Hot

How to Achieve Interconnection Between OSFP and QSFP-DD Ports?

With exponential traffic growth, hyperscale data centers must deploy multiple high-speed optical modules to meet varied demands. However, the coexistence of OSFP and QSFP-DD form

Apr 16, 2026 Hot

what is 400G QSFP-DD optical module□

QSFP-DD (Quad Small Form Factor Pluggable-Double Density) is a high-speed pluggable module package defined by the QSFP-DD MSA team, and is the first choice for 400G

May 01, 2026 Hot

Top Optical Modules for POTN Deployment: SFP, QSFP, and OSFP

Modern optical transport networks are the nervous system of digital infrastructure. As data demand continues to multiply, choosing the right optical module becomes a crucial decision in

Oct 23, 2025 Hot

JFOPT QSFP-DD 400G FR4 Transceiver

Converting 8x50G PAM4 electrical signals to 400Gbps optical output, it features a duplex LC interface and 76-pin connector. Compliant with ITU-T G.694.2 and requiring host FEC, this module is ideal for

Nov 10, 2025 Hot

Cisco 400G QSFP-DD Ultra Long Haul Coherent Optics

The 400G QSFP-DD ULH module is compliant with Common Management Interface Specification (CMIS) 5.3 and Coherent CMIS (C-CMIS)

Jan 03, 2026 Hot

QSFP-DD Optical Transceivers for High-Speed Connections

QSFP-DD ports incorporate a riding heatsink that can be sized independently of the optical module, added on top of the module, or placed between modules. This flexibility enables switch and routing

Oct 26, 2025 Hot

Cisco 400G QSFP-DD High-Power (Bright) Optical

Learn how Cisco 400G QSFP-DD High-Power (Bright) Optical module's small size and low power make it an optimal choice for a wide range of

Jan 08, 2026 Hot

Cisco 400G Digital Coherent Optics QSFP-DD Optical Modules

Cisco offers a comprehensive range of pluggable optical modules in the Cisco® pluggables portfolio. The wide variety of modules gives you flexible and cost-effective options for all types of interfaces.

Jan 24, 2026 Hot

Cisco 400G QSFP-DD: Understanding Optical

Discover the Cisco 400G QSFP-DD optical transceiver modules, designed for high bandwidth in data centers, ensuring backward compatibility with

Jun 08, 2026 Hot

Optical Transceiver: SFP vs SFP+ vs QSFP28 vs QSFP-DD

This article provides a comprehensive comparison of mainstream optical transceivers, including SFP, SFP+, QSFP+, QSFP28, and QSFP-DD. It explains their technical differences,

Mar 12, 2026 Hot

QSFP-DD Optical Transceivers – MapYourTech

What is QSFP-DD? QSFP-DD is an advanced hot-pluggable optical transceiver form factor that doubles the bandwidth density of traditional QSFP28

Oct 17, 2025 Hot

QSFP-DD Hardware

Abstract: This specification defines: the electrical and optical connectors, electrical signals and power supplies, mechanical and thermal requirements of the pluggable QSFP Double Density (QSFP-DD)

Jun 14, 2026 Hot

QSFP-DD Optical form factor: An evolutionary approach

We've seen this cycle before. For example, 10 GbE optical modules moved from the bulky 300 pin module, to XENPAK, to X2, to XFP and finally to

Dec 07, 2025 Hot

Comprehensive Guide to 400G/800G QSFP-DD Optical

From a technological perspective, both 400G and 800G QSFP-DD modules benefit from significant advancements. Silicon photonics has played a

Dec 13, 2025 Hot

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-speed

Aug 02, 2025 Hot

Cisco 400G QSFP-DD High-Power (Bright) Optical Module

Product overview Cisco is now expanding the range of 400G Digital Coherent QSFP-DD transceivers, introducing High Tx Power variants (+1dBm of Tx Power). Thanks to the miniaturization of the

Aug 16, 2025 Hot

400G QSFP-DD Cable and Transceiver Modules Data Sheet | FS

Product overview The FS® 400GBASE Quad Small Form-Factor Pluggable Double Density (QSFP-DD) portfolio offers customers a wide variety of super high-density transceiver modules and the flexibility

Jun 14, 2026 Hot

Do You Know the Differences Between SFP, SFP+,

SFP, SFP+, QSFP+, SFP28, QSFP28, QSFP-DD, and OSFP are the seven broad categories of Pluggable Transceiver Optics. These terms refer to the

Sep 18, 2025 Hot

400G Modules Compared: QSFP-DD, OSFP & QSFP112

Unsure which 400G module fits your data center? Compare QSFP-DD, OSFP, and QSFP112 with expert insights for top performance and scalability.

Apr 04, 2026 Hot

QSFP-DD Optical Transceivers Unlocking Faster

QSFP-DD Optical Transceivers deliver up to 800Gbps speeds, offering high bandwidth, energy efficiency, and compatibility for modern networks

Apr 06, 2026 Hot

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

By partnering with tier-1 optical component manufacturers, we ensure every module meets the highest industry standards. Each transceiver undergoes rigorous testing and comes supported by a Limited

Jul 10, 2025 Hot

Optical Transceivers

The QSFP-DD (Quad Small Form-factor Pluggable Double Density) standard, designed to be backward compatible with previous QSFP versions, revolutionizes

Sep 18, 2025 Hot

QSFP-DD TRANSCEIVERS for 400G and 800G

QSFP-DD is the most widely adopted form factor for 400G, with great potential for 800G. While QSFP-DD prioritizes backward compatibility, OSFP's larger surface

Jan 04, 2026

Contact Us

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