

Jamaica Imported QSFP 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. An Optical Transceiver is a critical optoelectronic component that facilitates seamless electro-optical (E-O) and photo-electric (O-E) conversion within fiber-optic networks. Standard procurement guides list endless catalog numbers without valuable context, overwhelming engineers with technical specifications while completely obscuring actual market costs. This guide. This article provides a comprehensive comparison of mainstream optical transceivers, including SFP, SFP+, QSFP+, QSFP28, and QSFP-DD. The module converts 8 channels of 50Gb/s (PAM4). JTOPTICS® data center Solution simplifies the delivery of network services by providing reliable infrastructure components assembled and tested in a factory-controlled environment. JTOPTICS® end-to-end products are an ideal solution for data centers specially when time for traditional cable.



Article Content

Oct 01, 2025

Exploring the World of QSFP Transceivers: Cisco

Discover the world of QSFP transceivers with Cisco-compatible solutions for MMF optical networks. Learn about high-density Ethernet options for

Aug 22, 2025

Why Choose the 400G QSFP-DD SR4 Optical Module?

This article unravels the power of the 400G QSFP-DD SR4 optical module. Dive into its unmatched speed and reliability, transforming your network capabilities. Discover why it's the top choice for high

May 15, 2026

QSFP Optical Module Market Research Report 2034

The accelerating shift toward artificial intelligence (AI) and machine learning (ML) workloads, which demand extremely low-latency, high-throughput interconnects between GPU clusters, has emerged

Jan 04, 2026

Common 400G QSFP-DD Transceiver Types in the Market

400G QSFP-DD optical module is a high-speed hot-pluggable transceiver. Here it will help you learn what 400G QSFP-DD optical modules exactly are, and the

Jun 30, 2025

Optical Transceivers

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

Jun 05, 2026

The Ultimate Guide to Cisco QSFP Optical Transceiver

Efficient and consistent data transmission is significant in the rapidly changing technological environment. Without a doubt, in high-speed networking

Apr 13, 2026

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

Aug 25, 2025

Transceivers Explained: SFP vs SFP+ vs SFP28 vs QSFP+ vs QSFP28

Discover the key differences between SFP, SFP+, SFP28, QSFP+, and QSFP28 transceivers. Learn which is right for your network.

Nov 04, 2025

The Different Types of QSFP Transceivers and Their

QSFP stands for Quad Small Form-factor Pluggable. It is a high-speed optical transceiver module that can be used in a variety of applications, including

Jan 23, 2026

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

May 18, 2026

Understanding SFP, SFP+, QSFP and Beyond:

QSFP Active Optical Cable (AOC): A pre-terminated optical cable with QSFP+ modules at both ends, designed for medium- to long-distance data links.

Jul 11, 2025

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

Mar 06, 2026

40G QSFP+ Transceiver Modules | Optical Transceivers

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 and data center applications. Click to get

Feb 14, 2026

QSFP-DD Optical Transceivers for High-Speed

Cisco's comprehensive portfolio of QSFP-DD modules support 400G and 800G data rates across copper, multimode fiber, and single-mode fiber, and

Jan 31, 2026

Huawei QSFP-DD-400G-FR4 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

Apr 23, 2026

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,

Sep 18, 2025

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

Sep 01, 2025

JFOPT QSFP-DD 400G FR4 Transceiver

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

Mar 06, 2026

QSFP Imports Under HS Code 85176290 | QSFP import price | Zauba

Information and reports on QSFP Imports Under HS Code 85176290 along with detailed shipment data, import price, export price, monthly trends, major exporting countries countries, major importing

Mar 27, 2026

What is QSFP Optical Module? Uses, How It Works & Top ...

Discover comprehensive analysis on the QSFP Optical Module Market, expected to grow from USD 3.45 billion in 2024 to USD 12.

Mar 03, 2026

QSFP-DD Product Family » Acacia

Powered by Greylock and Delphi DSP ASICs, and silicon photonic integrated circuits (PICs) for an optimized co-packaged design with 3D Siliconization. Supports an expansive list of interoperability

Oct 21, 2025

QSFP-DD Price Guide 2026: 400G/800G Costs & TCO Analysis

QSFP-DD price guide with 400G/800G module costs, OEM vs third-party comparison, volume discounts, and 3-year TCO analysis for data center buyers.

Dec 26, 2025

SFP vs QSFP: Choosing the Right Optical Transceiver for Your Data ...

Discover the key differences between SFP and QSFP modules. Learn which optical transceiver is best suited for your data center, whether you're looking for cost-effective SFP solutions

Nov 28, 2025

Comprehensive Guide to QSFP - MapYourTech

Service providers are deploying coherent QSFP-DD modules directly in routers, eliminating separate transponder equipment. This architecture reduces

Oct 03, 2025

40G QSFP+ Transceiver Modules | Optical Transceivers

Click to get your 40G QSFP+ transceiver modules from nearby warehouses. 30-Day Free Return. Trusted by 260K+ Enterprise Users.

Aug 22, 2025

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

The QSFP-DD is the smallest 400G form factor optical module on the market today. It is also the optical module that offers the highest transmission

Feb 08, 2026

QSFP-DD Optical Transceivers - MapYourTech

QSFP-DD modules operate primarily at the Physical Layer (Layer 1) of the OSI networking model. They provide the physical transmission medium and

Apr 01, 2026

Global QSFP Optical Transceiver Market 2025

Global QSFP Optical Transceiver Market Overview QSFP optical transceiver is a four-channel small pluggable optical module with four independent full-duplex

Apr 29, 2026

Exploring the Benefits and Applications of 800G QSFP-DD Optical Modules

Discover the benefits and applications of 800G QSFP-DD optical modules, a cutting-edge solution for high-speed data transmission. Learn about its features, including high-speed

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.moletenare-ew.co.za>

Email: info@moletenare-ew.co.za

Phone: +86 138 1658 3346

Address: Ningbo, China

This document is for informational purposes only. Specifications subject to change without notice.

