

Inquiry about 800G optical module QSFP-DD



Overview

The QSFP-DD transceiver is an 800g optical module capable of handling a throughput of 800 gbs worth of data. In addition, it makes use of the QSFP-DD interface, which enhances bandwidth density and efficiency in the network environments. 800G Digital Coherent Optics (DCO) transceivers are available to support various Dense Wavelength Division Multiplexing (DWDM) applications including Data Center Interconnect (DCI) up to 120km. The FS® 800GBASE Quad Small Form-Factor Pluggable (QSFP/QSFP-DD) portfolio offers customers a wide variety of high-density and low-power 800 Gigabit Ethernet connectivity options for data center, high-performance computing networks, enterprise core and distribution layers, and service provider. Smartoptics QSFP-DD transceivers provide cost-efficient 400G and 800G optical networking. QSFP-DD (Quad Small Form-Factor Pluggable Double Density) transceivers double the number of high-speed electrical interfaces in QSFP to achieve 400G Ethernet speeds – and double them again to reach 800G.



Article Content

Jul 14, 2025

800G Client Optics in the Data Center

The QSFP-DD specification was expanded in 2021 to support 800G applications, using 100G PAM4 lanes (QSFP-DD800), and increased maximum module power dissipation, with products supporting

Jul 10, 2025

Strategic Validation: The Critical Role of 800G QSFP-DD Loopback ...

High-performance 800G QSFP-DD loopback module for transceiver and network validation. Passive design, MTP/MPO-12 connector, compliant with QSFP-DD MSA standards.

Mar 06, 2026

800G QSFP-DD Cable and Transceiver Modules Data Sheet

This transceiver is compliant with IEEE802.3ck, IEEE 802.3cu, QSFP-DD MSA and CMIS Rev 5.0 standards, suitable for 800G Ethernet, Data Center, Breakout 2x 400G XDR4 or 8x

Jan 28, 2026

Next-Generation Connectivity: The Rise of 800G OSFP 2*FR4 Optical ...

Discover the details of Next-Generation Connectivity: The Rise of 800G OSFP 2*FR4 Optical Transceivers in AI Data Centers at LonRise Equipment Co. Ltd., a leading supplier in China

Apr 03, 2026

The Definitive Guide to 800G OSFP/QSFP-DD AOC Cables for

The 800G OSFP/QSFP-DD AOC Cable represents the gold standard for short-to-medium range high-speed interconnects in the modern data center. Contact our engineering team today for a

Oct 11, 2025

OSFP vs. QSFP vs. SFP: Which Is Right for You?

Confused about the differences between OSFP, QSFP, and SFP? This guide explains their distinct features, applications, and helps you choose the

Mar 01, 2026

Eoptolink

Eoptolink - market leader in high speed optical transceivers: 800G QSFP-DD800 & OSFP, 400G QSFP56-DD, QSFP112, OSFP, 200G QSFP56 and QSFP-DD, 100G single lambda QSFP28 and

Aug 11, 2025

QSFP vs SFP: Differences & Network Applications

QSFP modules are typically deployed for 40G, 100G, 200G, and 400G aggregation, spine, backbone, and AI networking environments. Understanding the differences between SFP and QSFP

Jan 11, 2026

200G/400G/800G Optical Transceiver Modules | FiberMall

200G/400G/800G optical module features up to 40km transmission distances using QSFP56/QSFP-DD footprints for data center interconnect applications - FiberMall

Apr 11, 2026

Strategic Validation: The Critical Role of 800G QSFP-DD Loopback ...

The 800G QSFP-DD Loopback Module has emerged as a cornerstone technology for engineers tasked with validating the next generation of high-speed networking infrastructure.

Feb 22, 2026

SFP vs SFP+ vs QSFP28 vs QSFP-DD: 2026 Optical

SFP vs SFP+ vs QSFP28 vs QSFP-DD: Master optical transceiver selection for 1G to 800G AI networks with our lab-verified guide.

Dec 23, 2025

NVIDIA Optical Modules: QSFP-DD vs OSFP Technical Comparison

Comprehensive technical analysis of NVIDIA 800G optical modules comparing QSFP-DD and OSFP form factors. Learn about compatibility, power requirements, and deployment best

Feb 21, 2026

Optical Modules: 400G, 800G, 1.6T, and PCB Selection in Manufacturing

QSFP / QSFP+ / QSFP28 / QSFP-DD / OSFP Speed: These modules support much higher speeds, ranging from 40G to 800G/1.6T. Applications: Primarily used in data center core

Jan 14, 2026

800G & 1.6T Optical Transceivers – Vitex LLC

Upgrade your network with Vitex 800G & 1.6T optical transceivers. High-performance OSFP & QSFP-DD modules for AI data centers & low-latency interconnects.

Aug 23, 2025

QSFP-DD TRANSCEIVERS for 400G and 800G

Smartoptics QSFP-DD transceivers provide cost-efficient 400G and 800G optical networking. QSFP-DD (Quad Small Form-Factor Pluggable Double Density)

Feb 19, 2026

NVIDIA Optical Modules: QSFP-DD/OSFP 800G Solutions,

Explore NVIDIA's 800G optical modules with QSFP-DD and OSFP form factors. Learn about performance specifications, compatibility features, and application scenarios for AI clusters

Aug 15, 2025

Everything You Need to Know About 800g QSFP-DD

Explore the essentials of 800G QSFP-DD optical transceivers, including specs, form factors, and compatibility for high-speed Ethernet applications.

Mar 17, 2026

Optical DSP

Credo's extensive optical portfolio includes DSPs for 50G, 100G, 200G, 400G, 800G and 1.6T PAM4 optical transceivers and active optical cables. Our products meet

Jun 09, 2026

800G QSFP-DD Cable and Transceiver Modules Data Sheet

Product overview The FS® 800GBASE Quad Small Form-Factor Pluggable (OSFP/QSFP-DD) portfolio offers customers a wide variety of high-density and low-power 800

Sep 24, 2025

Cisco Compatible SFP List 2026: Architect's Selection Guide

An 800G QSFP-DD module typically consumes between 16W and 20W. Unlike lower-speed modules, these high-power transceivers utilize advanced Riding Heatsinks integrated into the

Oct 01, 2025

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

Cisco QSFP-DD and OSFP 800G coherent optical modules are supported on Cisco switches and routers. For more details, refer to the Cisco Transceiver Modules Compatibility Matrix.

Aug 09, 2025

800G QSFP-DD Digital Coherent Optics Transceiver

The 800G Digital Coherent Optics (DCO) family of transceivers are available in

Feb 25, 2026

Optical Transceiver Market Size, Share, Industry Report

Co-packaged optics development initiatives. Challenges Thermal management complexity in dense racks. High 800G module power consumption. Opportunity

May 09, 2026

DCI Optical Modules | Delivering high bandwidth over

Available for both C+L Band in QSFP-DD or OSFP, COLORZ 800 lowers the capital cost of DCI substantially compared to traditional systems.

Dec 31, 2025

genuine optics-world leading optical transceiver

About Company : Genuine Optics is world-leading optical transceiver provider. The company is registered in San Jose, California, with new buildout manufactory in

Nov 17, 2025

QSFP-DD Optical Transceivers – MapYourTech

QSFP-DD represents a critical inflection point in optical networking, delivering 400G/800G bandwidth in a compact, hot-pluggable form factor with

Contact Us

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