

Iraq Overseas Warehouse 800G Optical Module QSFP



Overview

The 800G QSFP-DD SR8 adopts the advanced QSFP-DD form factor and is equipped with one MPO-16 interface. This module uses 8 channels of 850nm VCSEL lasers and PAM4 modulation technology, with a per-channel transmission rate of up to 106.25Gbps and an aggregated bandwidth of 800G. Cisco QSFP-DD and OSFP 800G ZR/ZR+ digital coherent optics modules enable 800G traffic over amplified Dense Wavelength-Division Multiplexing (DWDM) links up to 120 km for 800ZR and over 1000 km for 800G ZR+. 800G Telecom OIF 800ZR, High Tx output power (0dBm), L-band 5THz tunable, 0°C to 70°C, LC receptacle. The Gigalight GQD-MPO801-SR8C is a Eight-Channel, Pluggable, Parallel, Fiber-Optic QSFPDD Double Density for 800 Gigabit Ethernet Applications. This transceiver is a high performance module for short-range multi-lane data. Discover how 800G optical modules transform data centers with 40 lower power, 35 cost savings, and seamless scalability. Explore deployment best practices for 2025. 8 million pcs annually, driven by AI.



Article Content

Nov 04, 2025

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

Mar 11, 2026

800G OSFP/QSFP-DD Optical Transceivers for InfiniBand & RoCE

High-density 800G OSFP and QSFP-DD transceivers support InfiniBand and RoCE, enabling 100m to 2km transmission via MMF and SMF.

Jul 05, 2025

800G-2FR4 QSFP-DD Optical Transceiver Module

FiberMall QSFP-DD-800G-2FR4 800G-2FR4 QSFP-DD Transceiver Module uses a Wavelength of 1310nm via dual CS connectors for 2 km transmission over single

Nov 05, 2025

What Is 800G QSFP-DD and Why AI Data Centers Need It

800G QSFP-DD optical modules explained: architecture, types, applications, and why 800G is essential for AI and hyperscale data centers.

Sep 09, 2025

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

Nov 11, 2025

800G Optical Module: osfp vs qsfp-dd

Nowadays, 400G optical modules are widely used, but 800G optical module technology has also been slowly used in data centers and other

Nov 19, 2025

800G QSFP-DD Digital Coherent Optics Transceiver

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

Jun 03, 2026

800G Client Optics in the Data Center

A new generation of double-density optical module form factors, QSFP-DD and OSFP, were developed to support the eight-lane switch interface. These form factors will also support DAC or active

Sep 05, 2025

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

Nov 27, 2025

Discover how 800G optical modules transform data centers with 40

With 35% lower cost-per-bit and 40% reduced power consumption (using silicon photonics) compared to 400G technology, 800G modules are rapidly becoming the preferred solution

Sep 04, 2025

400Gb/s QSFP-DD SR8 100m Optical Module Overview

QDD-400G-SR8 Transceiver is a parallel 400Gb/s quad small form-factor pluggable double density (QSFP-DD) optical module. It enhances port density and saves overall system costs.

Mar 16, 2026

800G Transceivers: How to Choose the Right One for Data Centers

The 800G module is one of the core components of high-performance optical communication, which can achieve a data transmission rate of 800G per second. It uses PAM4

Nov 15, 2025

NVIDIA Optical Modules Buying Guide: QSFP-DD vs OSFP 800G

Comprehensive guide to NVIDIA optical modules covering QSFP-DD and OSFP 800G solutions. Learn about compatibility, deployment considerations, and technical specifications for

Aug 25, 2025

800G QSFP-DD

SULITON 800G OSFP/QSFP-DD Module SULITON provides OEM and ODM of various optical modules from 10 100 1000baseTx sfp to 800G at a price that

Jun 30, 2025

How to choose between 800G optical-mode QSFP-DD

QSFP-DD is currently the preferred package for 800G optical modules, enabling data centers to efficiently grow and scale cloud capacity as

Aug 16, 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.

Oct 16, 2025

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

Oct 11, 2025

Exploring FS 800G Transceivers: Your FAQs Answered

The introduction of the 800G module addresses this demand for high-speed data transmission. FS 800G transceivers incorporate advanced modulation and demodulation techniques

Nov 22, 2025

800G QSFP-DD Cable and Transceiver Modules Data Sheet

The 800GBASE-DR8 OSFP Optical Transceiver Module is designed for 800GBASE Ethernet throughput up to 500m over singlemode fiber (SMF) with MPO-16 connectors. This

Jun 20, 2026

800G QSFPDD SR8 100m Optical Transceiver Module | GIGALIGHT

These modules are designed to operate over multimode fiber systems using a nominal wavelength of 850nm. The optical interface uses 16 fiber MTP (MPO) connector.

May 10, 2026

800G QSFP-DD Optical Module in the Real World: 5 Uses You'll

The 800G QSFP-DD optical module is transforming high-speed data transmission across industries. As data demands grow exponentially, these modules enable faster, more reliable

Sep 12, 2025

800G LPO QSFP-DD800 Optical Transceiver for AI/HPC Data Centers

By leveraging linear pluggable optical (LPO) technology, these modules minimize on-module digital signal processing, reduce power consumption per port, and support scalable, high

Aug 18, 2025

800G Multimode Optical Module Selection: QSFP-DD vs OSFP, SR8

Faced with the choices between QSFP-DD and OSFP form factors, as well as SR8 and 2xSR4 solutions, many engineers and decision-makers find themselves confused. This article will

Apr 12, 2026

800G OSFP Optical Transceiver Modules

Explore QSFPTEK 800G OSFP optics price lists and datasheets. The 800G optics provide ultra low latency, low power, and high reliability optical interconnect core components for data centers, AI

Mar 24, 2026

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 05, 2025

Application Introduction for 800G OSFP and 800G

A comprehensive selection of 800G optical modules is available, including AOC, DAC, and AEC, all provided in OSFP and QSFP-DD form factors.

May 18, 2026

800GBASE OSFP/QSFP-DD800 Optics Transceivers

800G QSFP-DD800/OSFP optical module includes two architecture solutions, 2x400G and 8X100G. Its optical interfaces include MPO-16, Dual MPO-12, Dual

May 23, 2026

800G QSFP-DD DR8: A Practical Powerhouse for High

The 800G QSFP-DD DR8 is a high-speed optical transceiver based on the QSFP-DD interface standard, utilizing 8 lanes of 100Gb PAM4 signaling.

Contact Us

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