

OEMQSFP-DD Optical Module 800G



Overview

The 800GBASE-2SR4 optical transceiver module has a hot-pluggable QSFP-DD form factor with a dual MPO12 APC connector to simplify network integration and maintenance. 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+. Cisco® QSFP-DD and OSFP 800G ZR/ZR+ coherent optics modules enable 800G traffic over. The FS® 800GBASE Quad Small Form-Factor Pluggable (OSFP/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. NVIDIA's 800G optical modules represent a significant leap forward in addressing these requirements, offering advanced connectivity solutions for modern data centers. NVIDIA's 800G optical portfolio primarily utilizes two key form factors: QSFP-DD (Quad Small Form Factor Pluggable Double Density). OEM 800G QSFP-DD modules must be fully compatible with major switch and NIC vendors to ensure market acceptance and reduced integration risk. Many suppliers list compatibility with brands such as Arista, Cisco, Broadcom, NVIDIA and Juniper. Pre-programming the module's EEPROM / serial number. Explore QSPTEK 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 computing clusters and ISP networks. They feature OSFP form factors, advanced Linear-drive Pluggable Optics, and dual-port high-density optimized designs, supporting ultra-high-speed data transmission of up to 800 Gbps.

Article Content

JAYANI TECHNOLOGIES LLP | JTOPTICS

800G Qsfp-Dd 2Fr4 Optical Transceiver 800Gbase-2Fr4 Qsfp-Dd Pam4 2Km Dom 2 Xcs Dx Smf Optical Module JTOPTICS QSFP-DD800 2*FR4 transceiver is a high-quality optical transceiver designed for

The Ultimate Reference Table for SFP & QSFP Optical Transceiver ...

The definitive guide to SFP, QSFP, and QSFP-DD standards for 2025. Compare 400G/800G optics, understand PAM4 complexity, and master QSFP-DD vs OSFP deployment

Wholesale Optical Transceivers Module | 100G

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

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

NADDOD 800G modules are crucial components for the next generation of high-performance data center networks. They feature OSFP form factors, advanced Linear-drive Pluggable Optics, and dual

QSFP28 Transceiver: Complete 100G Connectivity Guide (2026)

QSFP28 transceiver guide covering module types, pricing, compatibility, and deployment. Learn how to choose, deploy, and troubleshoot 100G QSFP28 optics.

QSFP-DD 800G 2SR4 Optical Transceiver Module

Built-in digital diagnostics for real-time monitoring. Ideal for HPCs, AI data centers, and low-latency connections. The 800GBASE-2SR4 optical transceiver module

800G QSFP DD SR8-Optical Traceive_Fiber Optic

800G QSFP-DD SR8 is a pluggable transceiver suitable for short-range data communication and interconnect applications. Each optical cable has 8 duplex channels and can reach a total bandwidth

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

OEM 100G QSFP28 & 200G QSFP56, QSFP-DD, CFP2

Located in China's Optical Valley, WolonFiber powers the world's most demanding data centers. Backed by three cutting-edge production facilities and a dedicated engineering team of over 400

SFP vs. QSFP: Differences, Use Cases, and How to Choose

Compare SFP vs. QSFP transceivers: key differences, speeds, distances, costs, and expert guidance to choose the right module for your network architecture.

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.

Advanced Connectivity: The Evolution of 800G QSFP-DD DR8 MPO ...

The 800G QSFP-DD DR8 (Double Density 8-lane) module is a pluggable optical transceiver that represents the zenith of high-speed interconnect technology. At its core, the "DR8"

OEM 800 G QSFP-DD Optical Modules: Technical Overview and

For network vendors or data-centre buyers requiring 800 G QSFP-DD OEM optical modules, the key differentiators are brand compatibility, correct coding/EEPROM, accurate labeling and robust

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

Optics Transceiver Module Market 2025

Key product categories include single-mode optical modules for long-distance communication and multi-mode optical modules for shorter-range applications. Market growth is driven by surging demand for

Passive vs. Active: Selecting the Right 800G QSFP-DD Loopback Module ...

The 800G QSFP-DD Loopback Module has emerged as a cornerstone for the next generation of high-speed network validation, providing a reliable and cost-effective method for

800G OSFP Optical Transceiver Modules

The 800G optics provide ultra low latency, low power, and high reliability optical interconnect core components for data centers, AI computing clusters and ISP networks.

Eoptolink

This investment allowed us to become an 800G, 400G, 200G and 100G Market Leader and we are proud to be seen by our customers as an important and trusted strategic transceiver partner. We

Cisco Compatible SFP List 2026: Architect's Selection Guide

Master the Cisco Compatible SFP List 2026. This expert guide covers 400G/800G optics, PAM4 modulation, and IOS-XE compatibility logic to slash TCO by 80% while ensuring 99.999%

Contact Us

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

Website: <https://www.umele-pestovani.eu>

Email: info@umele-pestovani.eu

Phone: +49 152 287 6349

Address: Neue Mainzer Straße 66-68, 60311 Frankfurt am Main, Germany

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

