

OEMQSFP Optical Module 800G



Overview

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 transceiver is compliant with IEEE P802. 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+. Optical modules are classified by their packaging forms, with common types including SFP, SFP+, SFP28, QSFP+, QSFP28, QSFP56, QSFP-DD, QSFP112, and. 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. Migrating to 800G technology enables data centers and high-performance computing environments to address the ever-increasing demand for higher bandwidth at a lower cost and with reduced power consumption per gigabit. These modules are the backbone of AI-driven data centers, available in OSFP and QSFP-DD800 form factors. UnitekFiber provides a comprehensive 800G. OEM 800G QSFP-DD modules must be fully compatible with major switch and NIC vendors to ensure market acceptance and reduced integration risk. Pre-programming the module's EEPROM / serial number.

Article Content

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

The 800G optical transceiver is a high-speed optoelectronic conversion device used for achieving 800Gbps data transmission. It adopts small form-factor packaging types, such as QSFP

800G Optical Modules Explained: Standards, Types

We will explore the emergence, technical standards, packaging, types, and applications of 800G modules, and answer common questions to help you

800G OSFP Optical Transceiver Modules

Cisco OSFP-800G-DR8 Compatible 800GBASE-DR8 (2x 400G DR4) Twin-port OSFP IHS/Closed Finned Top PAM4 1310nm 100m Dual MPO-12/APC DDM SMF Optical Transceiver Module for

800G Optical Modules

Shop high-quality 800G optical modules for data center and telecom applications. Find reliable transceivers from top suppliers. Bulk orders and OEM available.

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.

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

WolonFiber manufactures strictly MSA-compliant 100G QSFP28 and 200G QSFP56, QSFP-DD, and heavy-duty CFP2 optical interconnects optimized for ultra-dense Spine-Leaf topologies and long-haul

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

SFP Optical Transceivers: How Pluggable Optics Are Reshaping

Discover how SFP optical transceivers are driving AI data centers and FTTX networks in 2026. Weunion's expert guide covers 400G, 800G, BiDi, DAC vs AOC, and compatibility strategies

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

AOC, DAC, Fiber Optic Transceivers | One-Stop Shop

Online shopping. w/24h-delivery, 7Days & Refund Guarantee. CE, RoHS and ISO9001 Certified. SFP+ Cables, QSFP+ Cables, MiniSAS Cables, XFP Cables,

Application Introduction for 800G OSFP and 800G

What are the transmission distances, fiber types, connectors, and optical modulation for each type of 800G optical module? The table below

Huawei OSFP-800G-SR8-D 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

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

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

Google's High-Speed Interconnect Architecture to Push

In an OCS-enabled architecture, Ironwood TPUs rely on high-speed copper for short-reach connections, while the all-optical network handles inter

Optical Communication Industry Trends 2026: AI, 800G/1.6T Optical ...

Explore optical communication industry trends in 2026, driven by AI infrastructure, 800G and 1.6T optical modules, silicon photonics, and next-generation data center connectivity solutions.

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

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

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.

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

Direct OEM/ODM manufacturer of 100G/200G transceivers for AI clusters & hyperscale cloud. 100% tested 100G QSFP28, 200G QSFP56, QSFP-DD & CFP2 solutions.

800G OSFP/QSFP-DD | Transceiver Modules

FS provides an expanding portfolio of 800G OSFP/QSFP-DD solutions featuring high-performance, high-bandwidth, and backward compatibility. The 800G

Pluggable Optical Module Market Research Report 2034

The pluggable optical module market was valued at \$9.8 billion in 2025 and is projected to reach \$26.4 billion by 2034, growing at a CAGR of 11.6%.

800G Optical Transceiver Modules | OSFP & QSFP

An 800G Optical Transceiver is a high-speed pluggable module designed for 800Gbps data transmission, primarily using 112G PAM4 signaling across 8 lanes.

Guia de Preços QSFP-DD 2026: Custos e Análise de Custo Total de ...

Coherent ZR and ZR+ optics represent the single largest line-item expense in many wide-area network builds, but they are also where third-party alternatives unlock the most dramatic absolute savings.

Optical Transceiver Manufacturer | 1G-800G Optics | Wolon

Source premium optical transceivers (1G to 800G) direct from our Wuhan factories. 100% brand compatible, OEM custom options, and rigorous quality testing.

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.

QSFP 100G DR Guide for High-Speed Data Center Connectivity

Learn how QSFP 100G DR transceivers enable fast, reliable 100G connectivity for modern data centers with simple deployment and cost-efficient fiber solutions.

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

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