

Overseas Warehouse QSFP Optical Module QSFP-DD



Article Overview

QSFP-DD active optical modules (AOMs) provide high-speed, high-density interconnects for data centers, supporting 200G to 800G links with backward compatibility and MSA compliance.

Overview of QSFP-DD Active Optical Modules

QSFP-DD (Quad Small Form-Factor Pluggable Double-Density) modules double the lane density compared to QSFP28, supporting 8 lanes with speeds up to 28 Gbps NRZ or 56 Gbps PAM4, enabling aggregate data rates from 200G to 800G depending on the module and modulation type . These modules are designed for high-performance computing, AI/ML workloads, and data center interconnects, offering improved thermal management and flexibility in system design . Active optical cables (AOCs) in QSFP-DD form factor, such as the 200G QSFP-DD AOC, provide up to 200Gb/s aggregate bandwidth over parallel multimode fiber with reach up to 100 meters, making them ideal for intra-rack and adjacent-rack connections . They are QSFP-DD MSA compliant and backward compatible with QSFP+, QSFP28, and QSFP56 modules, allowing seamless network upgrades without replacing existing infrastructure .

Key Features

- Lane Density: 8 lanes per module, doubling port density compared to 100G QSFP28 AOCs .
- Modulation: Supports NRZ and PAM4 for high-speed data transmission

Article Content

Xelivor Optical Modules Supplier | QSFP-DD OSFP and Fiber

Complete Optical Connectivity Solutions Xelivor specializes in the design, development, and production of optical transceivers

QSFP-DD Fibre Optic Transceiver Technology

QSFP-DD The QSFP-DD (Quad Small Form-factor Pluggable – Double Density) form-factor is used for

Optical Transceivers SFP SFP28 QSFP28 QSFP-DD 1G to 400G Range

OEM-compatible optical transceivers from 1G to 800G—SFP, SFP28, QSFP28, QSFP-DD & OSFP. MSA-compliant, TAA-certified,

Detailed Explanation of QSFP Optical Module Packaging

Detailed explanation of QSFP optical module packaging, covering specifications, rate enhancements, and compatibility of QSFP+,

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

400G OSFP/QSFP112/QSFP-DD | Transceiver Modules

FS provides an expanding portfolio of 400G OSFP/QSFP112/QSFP-DD solutions featuring high-performance, high-bandwidth, and

400G OSFP/QSFP-DD/QSFP112 Module Introduction and Selection

The explosive growth of global data volume has placed higher demands on the bandwidth and performance of data

800G Optical Transceiver Overview: QSFP-DD and OSFP Packages

This article provides an overview of 800G optical transceivers, focusing on the QSFP-DD and OSFP packages.

QSFP-DD Optical Module Wiki

QSFP-DD (Quad Small Form Factor Pluggable-Double Density) is a new modular connector system that utilizes a

QSFP-DD Transceiver Guide 2026: Complete 400G/800G Deployment

Master QSFP-DD transceiver deployment for 400G/800G networks. Compare module types (SR8/DR4/FR4/LR4),

QSFP-DD Optical Transceivers Unlocking Faster Connections

QSFP-DD Optical Transceivers deliver up to 800Gbps speeds, offering high bandwidth, energy efficiency, and

100G QSFP28 Transceiver Modules | Optical

The 100G QSFP28 module solution provides high-performance 100GbE connectivity for data centres,

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.

QSFP Transceiver Modules | 40G, 100G, 400G QSFP+, QSFP28

Shop a complete range of reliable QSFP transceiver modules. Find compatible QSFP+, QSFP28, and QSFP-DD optics for data rates

QSFP, QSFP+, SFP, SFP+ transceiver modules and DAC, AOC cables

Fast Worldwide Delivery. Goods are sent out from our warehouse typically within one day of your order payment. We cooperate with

The Big Differences Between SFP, SFP+, SFP28, QSFP+, QSFP28, QSFP-DD ...

Delve deep into the world of optical modules. From SFP to the latest QSFP-DD, explore their differences,

QSFP-DD vs QSFP28: Unraveling the Key Differences in Optical Modules

Discover the key differences between QSFP-DD and QSFP28 optical modules in our comprehensive guide. Learn

800G Module Packaging: QSFP-DD or OSFP, Which Fits Your Needs?

Discover the differences between 800G QSFP-DD and OSFP modules. Learn which packaging offers the best

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

Understanding QSFP-DD 400G Optical Transceivers: Your ...

Buy 400G QSFP-DD modules for Ethernet, data centers, and cloud networks at FS. Get help with selection and

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About Us Lightrend Tech Limited, founded in 2020 and located in Wuhan, Optics Valley of China, Lightrend is a manufacturer that

Wholesale Optical Transceivers Module | 100G QSFP28, 40G QSFP

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

Optical Transceivers | Network Solutions for AI Cluster,

Learn the differences between 200G DAC and 200G AOC cables, including QSFP56 and QSFP-DD form

QSFP-DD Optical Transceivers - MapYourTech

What is QSFP-DD? QSFP-DD is an advanced hot-pluggable optical transceiver form factor that doubles the bandwidth

QSFP-DD vs OSFP vs QSFP112: Which 400G Module Packaging

400G optical module packaging comparison: Choose QSFP-DD, OSFP, or QSFP112 for data center, AI, or HPC based on

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

Contact Us

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