

High-precision QSFP-DD optical module original and genuine product



Overview

Amphenol's QSFP-DD Linear Pluggable Optical (LPO) Transceiver delivers low-latency, high-bandwidth PCIe[®] Gen 5.0 over optical link, enabling scalable server disaggregation and efficient rack-to-rack interconnects ideal for AI/ML and rack-scale data center expansion. Quad Small Form-factor Pluggable Double Density (QSFP-DD) solution that fits into high-density switch and router client ports for optical interconnect links Powered by Greylock and Delphi DSP ASICs, and silicon photonic integrated circuits (PICs) for an optimized co-packaged design with 3D. Quad Small Form-Factor Pluggable Double-Density (QSFP-DD) offers twice as many high-speed electrical interfaces as QSFP28 while maintaining the same port density. 5625 GBd PAM4 Electrical interface. Its transmission distance is up to 100m on OM4/OM5 MMF. The module mainly consists of two. The QSFP-DD DCO transceiver provides 400GBASE-ZR throughput up to 120km using EDFA over single-mode fibre (SMF) via an LC/UPC connector. With compliance to OIF MSA standards and multi-vendor interoperability, the module allows interoperability and rapid deployment with other standard-compliant. QSFP-DD pricing creates significant challenges for buyers due to the extreme opacity of the market. Standard procurement guides list endless catalog numbers without valuable context, overwhelming engineers with technical specifications while completely obscuring actual market costs.

Article Content

QSFP DD Guide: High-Speed QSFP DD Optical Modules

In this comprehensive guide, we will explore how QSFP DD works, why it has become a preferred optical module standard, and how it is deployed in modern data centers.

400G QSFP-DD DR4 Optical Module and Connectivity Solution

With the increased demand for faster and more reliable networks, 400G has become one of the most popular optical modules when interconnecting next-generation data center networks. QSFP-DD is the

400GBASE ZR+ QSFP-DD DWDM LC SMF SiPh Optical Transceiver Module

The Hyper photonix 400G QSFP-DD ZR+ transceiver is a high performance, cost effective module for optical data communication applications from 100G to 400G. The 400G QSFP-DD ZR+ is designed

400G QSFP-DD Cable and Transceiver Modules Data Sheet

Product overview The FS® 400GBASE Quad Small Form-Factor Pluggable Double Density (QSFP-DD) portfolio offers customers a wide variety of super high-density transceiver modules and the flexibility

400G QSFP-DD DR4+ -Genuine optics 400G series products.

400G QSFP-DD DR4+ The MQD-36F2C Transceiver is a high-performance, cost-effective module for optical data communication applications supporting 400G Ethernet. The MQD-36F2C is designed for

QSFP-DD Optical Transceivers for High-Speed Connections

Cisco offers a comprehensive portfolio of QSFP-DD modules across copper, multimode fiber, and single-mode fiber, optimized for a broad range of applications and distances, leveraging NRZ, PAM4, and

Common 400G QSFP-DD Transceiver Types in the Market

400G QSFP-DD optical module is a high-speed hot-pluggable transceiver. Here it will help you learn what 400G QSFP-DD optical modules exactly are, and the

QSFP-DD DCO 400G DWDM Tunable Coherent

Using C-FEC and 16QAM modulation, the module supports 400G tunable WDM transmission per wavelength, with up to 40km unamplified and 120km amplified

400G QSFP-DD SR4 -Genuine optics 400G series

The high-speed electrical interface is based on low-voltage logic, with nominal 100-ohm differential impedance, AC coupled in the module. Users can access a

QSFP-DD 400G SR4 Optical Module: The New Choice

In an era where technology is advancing at an unprecedented pace, the demand for high-speed, reliable network connectivity has never been

400G QSFP-DD ZR+ Pro-Genuine optics 400G series products ...

The 400G QSFP-DD ZR+ Pro Transceiver is a high performance, high output power, cost effective module for optical data communication applications from 100G to 400G. The 400G QSFP-DD ZR+

800G QSFP-DD 2XLR4-800G-high performance module.

800G QSFP-DD 2XLR4 The Genuine Optics MQD-G7F6C is a high performance, cost effective module for optical data communication applications to 800G and transmission distance up to 10km on SM

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 TCO analysis for data center buyers.

QSFP-DD DCO 400G DWDM Tunable Coherent

The QSFP-DD DCO transceiver provides 400GBASE-ZR throughput up to 120km using EDFA over single-mode fibre (SMF) via an LC/UPC connector. With

Comprehensive Guide to 400G/800G QSFP-DD Optical

Boost AI, cloud, and 5G with QSFP-DD optical modules offering high bandwidth, low latency, and seamless scalability.

QSFP DD Guide: High-Speed QSFP DD Optical Modules

Learn how QSFP DD enables high-speed 400G networking with higher density, compatibility, and performance for modern data centers.

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

By partnering with tier-1 optical component manufacturers, we ensure every module meets the highest industry standards. Each transceiver undergoes rigorous testing and comes supported by a Limited

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.

HG Genuine MQD-77F2C Compatible 400G QSFP-DD

HG Genuine MQD-77F2C Compatible 400G QSFP-DD Transceiver, 10KM over SMF. Explore our portfolio of HG Genuine compatibles - covering datasheet.

MikroTik 400G QSFP-DD Optical Module - High Speed

Detailed description High-Speed Optical Connectivity The MikroTik 400G QSFP-DD Optical Module is a professional-grade solution designed to deliver ultra-fast and

DDQ+85MP01D QSFP-DD 400G Optical Module | High

QSFP-DD optical module for reliable 400G fiber connections, perfect for distances beyond DAC reach, up to 100 meters! The module includes built-in digital

Cisco 400G Digital Coherent Optics QSFP-DD Optical Modules

Product overview Cisco now offers a range of all new 400G Digital Coherent QSFP-DD transceivers. Cisco already offers a range of Digital Coherent CFP2 transceivers capable of supporting up to a 200

QSFP-DD Linear Pluggable Optics (LPO)

Amphenol's QSFP-DD Linear Pluggable Optical (LPO) Transceiver delivers low-latency, high-bandwidth PCIe[®] Gen 5.0 over optical link, enabling

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. Learn about its features, including high-speed

Understanding the QSFP-DD Standard: The Foundation of 400G

With precise compliance to SFF-8677, SFF-8679, and IEEE 802.3bs, LINK-PP's QSFP-DD optical transceivers empower next-generation infrastructures to achieve 400G performance

400G QSFP-DD SR4 -Genuine optics 400G series

400G QSFP-DD SR4 The MQD-F2F2C is a cost-effective module with high performance, which is optimized for Datacenter, supporting data-rate of 4 ×

Genuine optics 400G series products.

400G QSFP-DD SR8 The MQD-12F1C Transceiver is a high performance, cost effective module for serial optical data communication applications to 400Gbps,

Contact Us

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