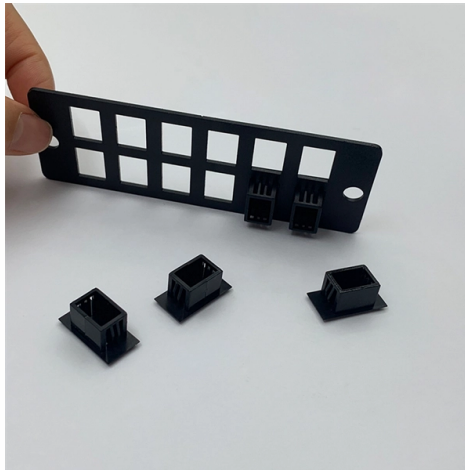


Low-noise QSFP-DD optical module original and genuine product



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. 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+. As a 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. The QSFP-DD DCO transceiver provides 400GBASE-ZR throughput up to 120km using EDFA over single-mode fibre (SMF) via an LC/UPC connector. 5625 GBd PAM4 Electrical interface. Its transmission distance is up to 100m on OM4/OM5 MMF.



Article Content

Cisco 400G Digital Coherent Optics QSFP-DD Optical Modules

These small, modular optical interface transceivers offer a convenient and cost-effective solution for an array of applications in the data center, campus, metropolitan-area access and ring network, storage

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

400G optical module packaging comparison: Choose QSFP-DD, OSFP, or QSFP112 for data center, AI, or HPC based on compatibility, power, and cost. Optimize

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 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 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

Cisco QSFP-DD Pluggable Open Line System (QDD)

Learn more about the Cisco QSFP-DD Open Line System (QDD OLS), a pluggable optical amplifier module that provides a simple yet powerful open line

Cisco 400G QSFP-DD High-Power (Bright) Optical

The Cisco 400G QSFP-DD High-Power (Bright) Optical module multirate Ethernet/OTN variant shares the same HW platform (and so also the high Tx

Cisco QSFP-DD and OSFP 800G ZR/ZR+ Coherent

Cisco 800G ZR/ZR+ coherent optics modules deliver high performance and low power in QSFP-DD and OSFP form factors.

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 TRANSCEIVERS for 400G and 800G | Smartoptics

Smartoptics QSFP-DD transceivers provide cost-efficient 400G and 800G optical networking. QSFP-DD (Quad Small Form-Factor Pluggable Double Density) transceivers double the number of high-speed

Cisco 400G QSFP-DD High-Power (Bright) Optical Module

Product overview Cisco is now expanding the range of 400G Digital Coherent QSFP-DD transceivers, introducing High Tx Power variants (+1dBm of Tx Power). Thanks to the miniaturization of the

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.

Übersicht über optische QSFP-DD-Module: Was ist der Unterschied?

In diesem Artikel wird das optische Modul der nächsten Generation, QSFP-DD, auch bekannt als Quad Small Factor Pluggable, ausführlich vorgestellt. Außerdem wird in diesem Artikel

Cisco 400G QSFP-DD Ultra Long Haul Coherent Optics Module

The high performance and low power of the 400G QSFP-DD ULH module make it an optimal choice to extend Routed Optical Networking use cases to regional and ultra-long-haul DWDM applications

Cisco 100GBASE QSFP-DD 100G ZR Module Data Sheet

Product overview The Cisco 100G Quad Small Form-Factor Pluggable Double-Density (QSFP-DD) 100G ZR provides customers with a 100 Gigabit Ethernet ZR connectivity option for data centers,

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 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

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

Unlocking the Future of Connectivity: Understanding

Discover the future of connectivity with QSFP-DD transceivers. Learn how this compact, high-density interface enhances 200G/400G interconnect

QSFP-DD Product Family » Acacia

Quad Small Form-factor Pluggable Double Density (QSFP-DD) solution that fits into high-density switch and router client ports for optical interconnect links

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 ×

400G ZR+ QSFP-DD Coherent Optical Module

The QSFP-DD coherent optical module has six designated pins on the 76-pin connector for its own power feed. The host board supplies a stable power to the module which in turn limits the inrush

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.

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

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

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

The QSFP-DD standard represents the pinnacle of optical interconnect evolution — enabling unprecedented bandwidth density, efficiency, and scalability for modern data centers.

QSFP-DD Optical Transceivers – MapYourTech

QSFP-DD is an advanced hot-pluggable optical transceiver form factor that doubles the bandwidth density of traditional QSFP28 modules by

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

QSFP-DD Hardware

Abstract: This specification defines: the electrical and optical connectors, electrical signals and power supplies, mechanical and thermal requirements of the pluggable QSFP Double Density (QSFP-DD)

Contact Us

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