Purchase high-speed optoelectronic connection QSFP-DD



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. 8mm pitch and a dual-mating interface. The QSFP-DD family supports legacy QSFP channels on the front interface and four additional channels on the rear interface. Our QSFP-DD cages have propriety heatsinks and offer you a solution to work in 15W – 18W at low cost while providing superior. Supporting the continuing growth in the bandwidth demand and datacenter traffic driven by networking and AI/ML requirements, the QSFP-DD (Double Density) Interconnect System delivers 8 lanes with up to 28 Gbps NRZ or 56 Gbps-PAM4 (up to 400 Gbps aggregate) in a compact footprint that is backward. QSFP-DD is a new module and cage/connector system similar to current QSFP, but with an additional row of contacts providing for an eight lane electrical interface. The data rate of each channel can reach 25Gb/s through NRZ modulation technology, realizing 200G network transmission.



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Article Content

QSFP-DD Linear Pluggable Optics (LPO) | High Speed Input Output

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.

QSFP-DD Connectors, Cages and Cable Assemblies

TE offers a broad QSFP-DD portfolio which includes 1x1 to 1x6 cages and SMT connectors. Custom lightpipes, heatsinks are also available. Double the density

QSFP-DD Connectors | High Speed I/O | Amphenol

Amphenol''s QSFP-DD interconnect system delivers high-speed performance with exceptional signal integrity. With 76 contacts per port, eight

List of QSFP-DD Models & Products | TE Connectivity

Search our portfolio of QSFP-DD products and select your specifications. We offer a wide array of reliable and cost-effective products from standard solutions to custom designs.

QSFP-DD Optical Transceivers for High-Speed Connections

Network operators can connect to lower speed portions of their network with existing pluggable transceivers and migrate to higher speeds when ready. In addition, they can take advantage of high

QSFP-DD Connector System

Telecommunication and data center customers have increasing bandwidth requirements and, therefore, require high-density interconnects. QSFP-DD

QSFP-DD Pluggable Double Density Active Optical Cables

High-speed QSFP-DD Active Optical Cables with double density design for reliable data center connectivity and performance.

QSFP-DD TRANSCEIVERS for 400G and 800G

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

The Ultimate Guide to QSFP Cables: What You.

What is a QSFP Cable? QSFP cables are high-speed transceiver and cabling solutions that combine four lanes of data transmission in one

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QSFP-DD Connectors, Cages and Cable Assemblies

QSFP-DD provides high-performance computing capability. The QSFP interconnects density is doubled with electrical interface, providing superior thermal and signal integrity.

QSFP-DD Connector System

QSFP-DD Interconnect System''s 8-lane electrical interface transmits 28G NRZ, 56G PAM-4 and 112G PAM-4, up to 200, 400 or 800 Gbps aggregate. Backwards

Three-year warranty high-speed optoelectronic connection QSFP-DD

The zinc housing protects against electromagnetic interference (EMI) and excessive. The High Performance 400G QSFP-DD SR8 850nm offers a 3-year warranty, providing added peace of mind

Ultimate QSFP Transceiver Guide: Types (40G/100G) & Compatibility

Confused by QSFP types? Decode the differences between QSFP+, QSFP28 (100G), and QSFP-DD. Learn how to select the right speed, connector (SR4 vs LR4), and Cisco-compatible coding for your

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

Learn how Cisco 400G QSFP-DD High-Power (Bright) Optical module''s small size and low power make it an optimal choice for a wide range of DCI/Cloud, metro access/aggregation,

The Future of High-speed Interconnection: 400G QSFP-DD SR4

Explore the future of high-speed interconnection with the 400G QSFP-DD SR4 optical module. Learn about distributed training technology, RDMA, existing network solutions, the

SFP+, SFP28, QSFP+, QSFP28, QSFP56, QSFP-DD,

Various high-speed transceiver types are on the market, including SFP+, SFP28, QSFP+, QSFP28, QSFP56, QSFP112, QSFP-DD, OSFP, etc.

QSFP DD Cable Assemblies | High Speed Input Output | Amphenol

Amphenol QSFP DD (Double Density) passive copper cable assemblies double the number of channels from 4 to 8 lanes when compared to the existing 100G QSFP cabling systems,

QSFP-DD Interconnect System

Molex''s QSFP-DD interconnect system enables face-plate density equal to the current 2x1 QSFP form factor but with 8-lane ports.

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