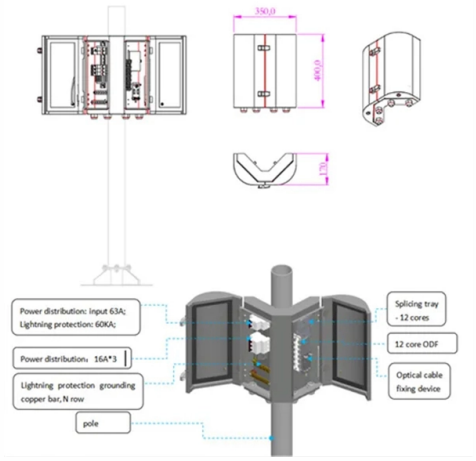
Certified Single-Fiber Bidirectional QSFP-DD



Overview

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. It is being developed by the QSFP-DD MSA as a key part of the industry's effort to enable high-speed solutions. The Cisco 400GBASE Quad Small Form-Factor Pluggable Double Density (QSFP-DD) portfolio offers customers a wide variety. QSFP-DD (quad small form-factor pluggable double density) doubles the capacity of QSFP interconnects with an eight-lane electrical interface capable of 28 Gbps NRZ, 56 Gbps PAM4, and 112 Gbps PAM4 to achieve up to 800 Gbps per port. The QSFP-DD portfolio's backwards compatibility. The Cisco 400G QSFP-DD Ultra Long-Haul Coherent Optics Module enables 400G traffic anywhere over dense wavelength division multiplexing amplified networks, and is available in both C-band and L-band.

Article Content

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

QSFP-DD CONNECTORS & CABLE ASSEMBLIES PRODUCT

Our QSFP-DD cages feature a proprietary heat sink design, making them the only solution to work in 15-18W applications at a low cost – providing superior thermal and signal integrity performance.

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Specification – QSFP-DD

July 11, 2019 – QSFP-DD Hardware Specification for QSFP DOUBLE DENSITY 8X PLUGGABLE TRANSCEIVER – Rev 5.0 May 8, 2019 – Common Management Interface

Dual to Single Fiber Solutions | RAD BiDi QSFP28 DD Adaptor

RAD offers dual to single fiber solutions for high-speed, reliable networks. Explore our Bidi QSFP28 adaptors for seamless connectivity.

Arista Optics Modules and Cables

To accommodate an increasing spectrum of applications, Arista offers a wide choice of OSFP, QSFP-DD, QSFP, SFP, SFP-DD and DSFP transceivers and cables that comply with industry standards,

800Gb/s QSFP-DD Transceivers

COMPLIANT WITH QSFP-DD MSA, IEEE802.3, OIF-CMIS Amphenol''s 800G QSFP-DD optical modules include 2xFR4(plus), 2xLR4, AOC, and AOC break-out series, which adopt LC or MPO

QSFP DD Cable Assemblies | High Speed Input Output

Amphenol''s QSFP DD (Quad Small Form Factor Pluggable Double Density) copper cable assemblies double the number of channels from 4 to 8

Cisco QSFP-DD Pluggable Open Line System (QSFP-DD OLS)

The QSFP-DD-OLS has two bidirectional optical ports: the COM-RX/TX that shall be connected to the Mux/DMX unit, and the LINE-TX/RX that shall be connected to the fiber link.

BiDi SFP: The Complete Guide to Bidirectional SFP Transceivers and ...

BiDi SFP (Bidirectional Small Form-Factor Pluggable) transceivers have emerged as a powerful solution, enabling full-duplex communication over a single optical fiber. By using

The Ultimate Guide to SFP, SFP+, SFP28, QSFP+, and QSFP28:

What are the Differences Between SFP, SFP+, SFP28, QSFP+ and QSFP28? Unlock higher bandwidth and seamless network scalability with the right optical transceiver technology SFP

How to Choose the Right Fiber Optic Cable for Your Optical Transceiver

Learn how to choose the right fiber optic cable for SFP, SFP+, SFP28, QSFP+, QSFP28, QSFP-DD, and OSFP optical transceivers. Avoid common fiber compatibility mistakes and improve

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100G QSFP28 / SFP-DD Modules and Cables FAQ | FS

The 100G BiDi transceiver refers to the QSFP28 single-mode fiber bidirectional optical module applied to 100G Ethernet. Each optical port on the QSFP28 BiDi contains both a transmitter and receiver,

Cisco Transceiver Modules

Cisco Transceiver Modules - Learn product details such as features and benefits, as well as hardware and software specifications.

400G-AOC-QSFP-DD-1

400G QSFP-DD Active Optical Cable 1m. Supports 400GbE and InfiniBand HDR up to 425 Gbps. OM3 MMF, DDM monitoring. MSA compatible.

The Ultimate Guide to QSFP Cable: Everything You

QSFP56: Data Rates: Supports up to 200Gbps Cable Length: Supports distances up to 10km with single-mode fiber Connector Type: Similar to

What is QSFP & QSFP+ Transceiver: An Ultimate

What is a QSFP & QSFP+ Transceiver? QSFP stands for Quad Small Form-factor Pluggable. By integrating four-lane signals into a single

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

What Factors Influence 400G Optical Transceiver Price

Discover the key factors that drive 400G optical transceiver pricing—from form-factor and component costs to market dynamics and sustainability.

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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