

ODM Aggregation Switch QSFP-DD





Overview

The QSFP-DD Series offers up to 400Gbps transmission speeds and features 1-by-1 cages. The Cisco® QSFP-DD Open Line System (QSFP-DD OLS) is a pluggable optical amplifier module that, together with the channel breakout options (described later), provides a simple yet powerful open. This guide provides a comprehensive overview of QSFP-DD compatible switches across major vendors, explains the fundamentals of backward compatibility at the port level, and outlines how to verify transceiver compatibility before procurement. 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 compatible. 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.



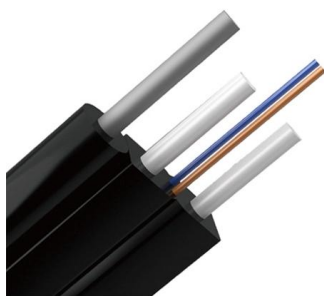
ODM Aggregation Switch QSFP-DD



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

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The Ultimate Guide to QSFP28-DD: Features, Benefits, and Applications

Discover QSFP28-DD (200G/400G) modules: features, benefits, and applications in data centers, AI/HPC, and telecom. Compare and learn how to choose the right.

QSFP Cables Explained 2025: Types, DAC vs AOC,

Learn about QSFP cables: QSFP+, QSFP28, QSFP56, QSFP-DD. Compare DAC vs AOC, speeds, lengths, and use cases in data centers. Includes

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DETAILS DISPLAY

Focus On Every Detail



01

Neat & Clean Layout

Cleaner arrangement of components. Easy to operate

Optical Transceiver Solutions for Cloud Performance

Explore advanced optical transceiver technology for hyperscale environments, ensuring performance and reliability across platforms.

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QSFP-DD vs OSFP: Which 400G/800G Form Factor

Today, two form factors dominate: QSFP-DD (Quad Small Form Factor Pluggable - Double Density) and OSFP (Octal Small Form Factor

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QSFPDD Datasheet (PDF)

BENEFITS -Enables 200G and 400G aggregate bandwidth per port -A single switch slot can have 36 ports QSFP DD -Allows for use of either QSFP or QSFP DD

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

Amphenol's QSFP-DD high-speed connector family features a scalable, high-performance interconnect platform with 76 contacts on a 0.8mm

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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

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QSFP-DD Series

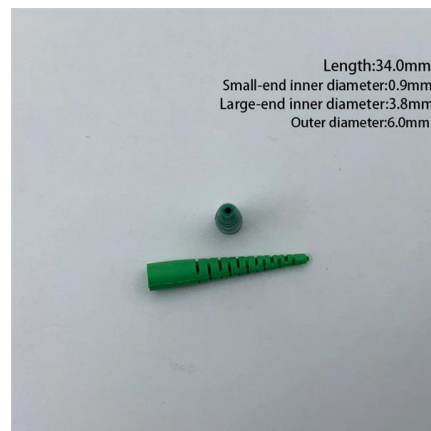
QSFP-DD can enable up to 14.4 Tbps aggregate bandwidth in a single switch slot. QSFP-DD electrical interfaces will employ eight lanes that operate up to 25 Gbps NRZ modulation or 50 Gbps PAM4

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

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

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QSFP-DD MSA Group Releases Preliminary QSFP-DD Hardware Specification

This can enable 36 QSFP-DD modules providing up to 14.4 Terabits per second (Tbps) aggregate capacity in a single switch slot to address rapid datacenter traffic growth.

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Models, specifications, and compatibility

These 200G Q-DD AOCs automatically configure a Q-DD port to operate in 4-channel QSFP56 mode. Because of the 2xQSFP28 ends, this limits the Q-DD

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

They expand Cisco routed optical networking applications to include 800G links and are compatible with Cisco and third-party 800G-capable routers,

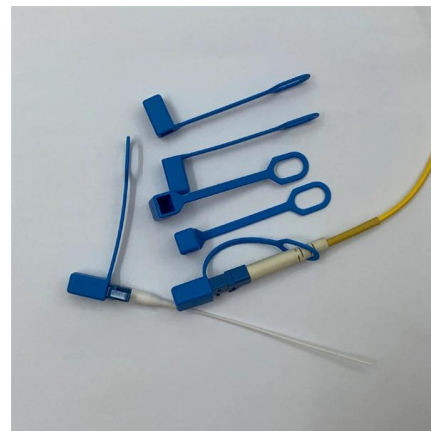
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QSFP Cables Explained 2025: Types, DAC vs AOC, and DC Use Cases

Learn about QSFP cables: QSFP+, QSFP28, QSFP56, QSFP-DD. Compare DAC vs AOC, speeds, lengths, and use cases in data centers. Includes compatibility and tips.

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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

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About Us 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

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Cisco QSFP-DD Pluggable Open Line System (QDD)

Learn more about the Cisco QSFP-DD Open Line System (QDD)

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QSFP-DD Wiki and Comparison of QSFP-DD vs OSFP and QSFP

QSFP-DD, or QSFP56-DD, stands for Quad Small Form Factor Pluggable Double Density. Based on the design of QSFP, the form factor of QSFP-DD is identical to the previous

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Understanding Backward Compatibility with QSFP-DD,

Network improvements and transceiver functionality are inextricably related to backward compatibility. A thorough explanation of backward

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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

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QSFP-DD Optical Transceivers - MapYourTech

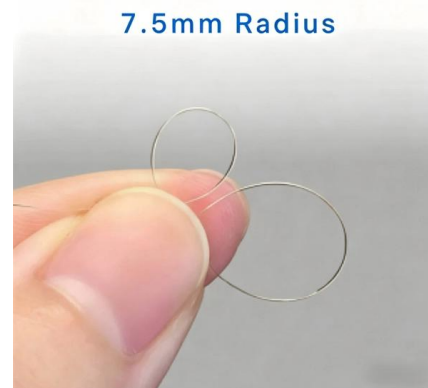
What is QSFP-DD? QSFP-DD is an advanced hot-pluggable optical transceiver form factor that doubles the bandwidth density of traditional QSFP28

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QSFP Double Density (DD) Interconnect System

Amphenol Commercial QSFP Double Density (DD) Interconnect System is backwards mating compatible with QSFP products. The connectors

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QSFP28 Transceiver: Complete 100G Connectivity Guide (2026)

The QSFP-DD switches allow you to use your current QSFP28 modules when you need to switch to 400G. The system provides you with backward compatibility that benefits your operations.

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QSFP-DD CONNECTORS & CABLE ASSEMBLIES PRODUCT

TE Connectivity's (TE) QSFP-DD (quad small form-factor pluggable double density) doubles the density of QSFP interconnects with an eight-lane electrical interface capable of 28 Gbps NRZ or 56 Gbps

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QSFP-DD Compatible Switches: Complete 2025 Vendor Guide

Find which switches support QSFP-DD modules. Our 2025 guide covers Cisco, Arista, Juniper and NVIDIA platforms with backward compatibility tips.

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Dell PowerSwitch Z9664F-ON

High-performance, high-density open networking 400GbE multi-rate aggregation switch Dell PowerSwitch Z9664F-ON 100/400GbE fixed switch comprises Dell Technologies' latest

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For datasheets, pricing, or custom fiber access solutions, please visit:
<https://frindel.es>