



**Adam Tas Corridor Energy**

# **QSFP-DD Customs Clearance Agent for Aggregation Switches**





## Overview

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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. QSFP-DD electrical interfaces will employ eight lanes that operate up to 25 Gbps NRZ modulation or 50 Gbps PAM4 modulation, providing. 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.



## QSFP-DD Customs Clearance Agent for Aggregation Switches

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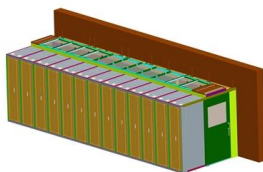
### Understanding the QSFP-DD MSA: The Hardware



Discover how the QSFP-DD MSA is revolutionizing 400G networks with advanced modules and cables, enhancing speed and performance in data

### QSFP28 modules

Quad Small Form-Factor Pluggable Double-Density products provide up to 400 Gb/s of data bandwidth. QSFP-DD builds on the existing QSFP physical form-factor to provide 50Gb/s bandwidth per channel



### Press Releases - QSFP-DD

Quad Small Form Factor Pluggable Double Density MSA releases 3.0 Hardware Specification Gothenburg, Sweden - September 19, 2017 - The Quad Small Form Factor Pluggable Double

### 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.



### 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



### QSFP-DD Optical Transceivers - MapYourTech

Phase 2 - Aggregation Layer (Months 4-6): Upgraded aggregation switches, implemented 400G to core and 100G to access. Used QSFP-DD



### Comprehensive Guide to QSFP - MapYourTech

QSFP Family Evolution QSFP+ (Original Quad Small Form-Factor Pluggable) The original QSFP+ module supports 4 lanes of 10 Gbps transmission



## 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.



### QSFP-DD Product Family » Acacia

Powered by Greylock and Delphi DSP ASICs, and silicon photonic integrated circuits (PICs) for an optimized co-packaged design with 3D Siliconization. Supports an

### QSFP-DD DCO 400G DWDM Tunable Coherent

Learn more 400G DWDM Tunable QSFP-DD Transceiver Module for FS Switches (SMF, 1528.77nm~1567.13nm, <=120km, LC/UPC, DOM) The QSFP-DD DCO



### 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



## QSFP DD Connectors

QSFP DD Connectors Amphenol ICC's QSFP DD interconnect system is comprised of a 76-position, 0.8mm pitch connector built for use in high speed serial applications. Each port supports up to 400



## 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

## 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



## QSFP-DD Optical Transceivers for High-Speed

Connect with existing, lower speed QSFP modules with QSFP-DD backwards compatibility. Optimize thermal management with flexible heatsink



## QSFP DD Cable Assemblies , High Speed Input Output

QSFP DD Cable Assemblies Amphenol's QSFP DD (Double Density) copper cable assemblies double the number of channels from 4 to 8 lanes when

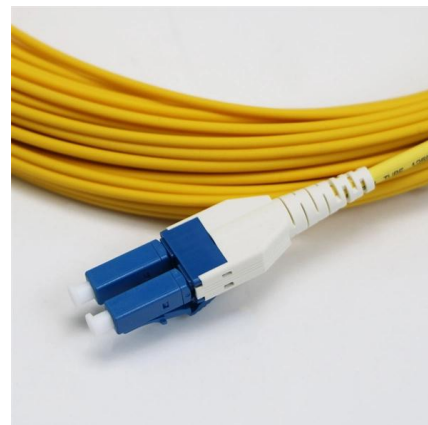


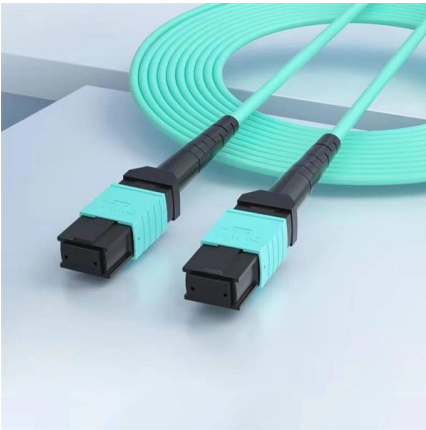
## QSFP-DD Hardware

17 16 15 September 29, 2023 19 18 Abstract: This specification defines: the electrical and optical connectors, electrical signals and power supplies,

## Cisco 400G QSFP-DD Cable and Transceiver Modules

The Cisco® family of QSFP-DD modules provide the industry's highest bandwidth density while leveraging the backward compatibility to lower-speed





## The Ultimate Guide to QSFP Cable: Everything You

To allow for efficient connectivity between servers, switches, and other networking hardware, QSFP cables use four parallel lanes. This article

## QSFP-DD Optical Transceivers for High-Speed Connections

Cisco helped define the QSFP-DD form factor Multisource Agreement (MSA) to meet the requirements of next-generation switching and routing applications. Cisco offers a comprehensive portfolio of



## 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.

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

What Is the QSFP-DD Standard? QSFP-DD (Quad Small Form Factor Pluggable Double Density) is an evolution of the QSFP family, extending its lane capacity from 4 to 8 high-speed



### How to Choose QSFP-DD: Step-by-Step Selection Guide

Learn how to choose QSFP-DD transceivers for 400G/800G networks, including reach, compatibility, power, and breakout options.

### 2025 SFP vs QSFP Port on Switches: Key Differences, Benefits, Cases

Discover the differences between SFP and QSFP port on switch. Learn about speed, bandwidth, transmission distance to choose for your enterprise or data center.



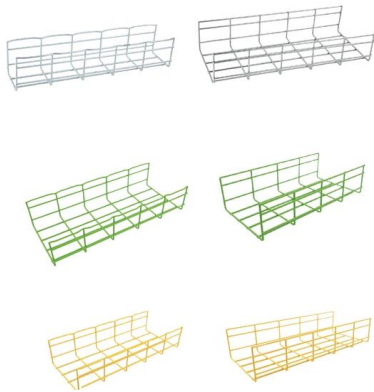
### QSFP Double Density (DD) Interconnect System

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



## 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



## Amphenol Commercial QSFP Double Density (DD) Interconnect System

Amphenol Commercial QSFP Double Density (DD) Interconnect System is backwards mating compatible with QSFP products. The connectors utilize an electrical interface with eight lanes

## TE Connectivity

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.



## Contact Us

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<https://www.koskolong.co.za>