

# Distributor Independent Switch QSFP-DD



## Overview

The QSFP-DD Series offers up to 400Gbps transmission speeds and features 1-by-cages. 4 Tbps aggregate bandwidth in a single switch slot. 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. 8mm pitch and a dual-mating interface. This. 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., QSFP56, QSFP112 to contain the signal EMI noise. Also note that. The UfiSpace S9301-32DB is a high-performance, data center networking white box switch that is designed to address the fast growing segment of the data center switching market and the needs to push service capacity to the next level.



## Article Content

### Ethernet Network Data Switches

Empower AI data centers & HPC clusters with QSFPTEK transceivers, switches & cabling. Trusted by 3000+ business users. Get tailored, reliable & cost-effective solutions.

### QSFP-DD-400G-SR4 Optical Transceiver 1. Summary

In practical, real-world deployment scenarios, the Huawei QSFP-DD-400G-SR4 is primarily used to build ultra-high-speed backbone pathways over short distances. These are essential for

### 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

### S9301-32DB 24 x 200GE QSFP56 & 8 x 400GE QSFP

The UfiSpace S9301-32DB is a high-performance data center switch with 24 x 200GE QSFP56 and 8 x 400GE QSFP-DD ports. It features a powerful Intel

### HPE Networking Comware Data Center Switch 48p QSFP28 100G 6p QSFP-DD ...

This data sheet provides detailed information about HPE Networking Comware Data Center Switch 48p QSFP28 100G 6p QSFP-DD 400G 5960R

### 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

### 400G QSFP-DD Cable and Transceiver Modules Data Sheet | FS

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

### Understanding Backward Compatibility with QSFP-DD,

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

### Custom 200GBASE-LR4 Series | QSFP56 & QSFP-DD

Execute 10km MAN interconnects. WolonFiber's 200GBASE-LR4 series features cooled EML lasers and LAN-WDM technology in both QSFP56 and 2x100G QSFP-DD footprints.

### QSFP DD Connectors Datasheet

Amphenol's QSFP DD Connectors datasheet ATTENTION: Due to high order volume, orders may require up to 4 additional business days to process.

## QSFP DD Connectors

Amphenol Communications Solutions' QSFP DD interconnect system is comprised of a 76-position, 0.8 mm pitch connector built for use in high-speed

## SFP vs SFP+ vs SFP28 vs QSFP+ vs QSFP28 vs

These compact and easily interchangeable modules serve as interfaces between devices like network switches and routers, converting both

## 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)

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

A QSFP 100G can only support a 4x 10G or 4x 25G electrical interface, which can be used as 4x 10GbE or 4x 25GbE, but not 10x 10GbE. As a result, the 100G QSFP28 interfaces cannot interoperate with

## Connectors and Cages

QSFP-DD plug is the same height and width as the 4-channel QSFP56 and QSFP28 used for 200G and 100G systems, but longer to support two rows of 4-channel electrical pins

## QSFP-DD Hardware

21 DD1600) connector and cage system. QSFP-DD MSA family of modules and cages remain fully backward 22 compatible with the classic QSFP+ formfactor. This document provides a common

## HPE Slingshot 200Gb 64-port QSFP-DD 1U Switch for Cray System

The HPE Slingshot switch is offered as a direct liquid-cooled blade in the HPE Cray EX supercomputer, and a 1U top-of-rack form factor for HPE Apollo and ProLiant clusters, across a wide range of

## 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 Double Density (DD) Interconnect System

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

## The Ultimate Guide to QSFP Cable: Everything You

They include: QSFP+: This is the most common type that supports up to 40Gbps in data centers. QSFP28: It has a higher bandwidth than QSFP+,

## Cisco QSFP-DD800 Transceiver Modules Data Sheet

Product overview The Cisco QSFP-DD800 modules introduce 8x100G and 2x400GGBASE Quad Small Form-Factor Pluggable Double-Density (QSFP-DD) modules, offering customers super-high-density

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

The QSFP-DD family supports legacy QSFP channels on the front interface and four additional channels on the rear interface. This interconnect

## 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.

## 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

## QSFDD Datasheet (PDF)

Part #: QSFDD. Download. File Size: 403Kbytes. Page: 3 Pages. Description: QSFP DD Connectors. Manufacturer: Amphenol Communications Solutions.

## QSFP-DD Optical Module Overview: What is the differ?

This article will introduce the next generation optical module in detail, QSFP-DD, also known as quad small factor pluggable, and this article will

## 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.

## Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://yachtchartercapetown.co.za>

Email: [info@yachtchartercapetown.co.za](mailto:info@yachtchartercapetown.co.za)

Phone: +27 21 863 4927

Address: 1st Floor, The Towers, 1 St George's Mall, Cape Town, 8001, South Africa

This document is for informational purposes only. Specifications subject to change without notice.

