

# Manufacturer s air-cooled switch QSFP-DD



## Overview

Manufacturer: Amphenol Communications Solutions. 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. 8mm pitch and a dual-mating interface. QSFP-DD connector portfolio's backwards compatibility allows. 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. The QSFP-DD interconnect system is comprised of a 76-position, 0. The cage and connector design provides backwards compatibility to QSFP28. Quad Small Form-Factor Pluggable Double-Density (QSFP-DD) offers twice as many high-speed electrical interfaces as QSFP28 while maintaining the same port density.

## Article Content

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

QSFP-DD ports incorporate a riding heatsink that can be sized independently of the optical module, added on top of the module, or placed between modules. This flexibility enables switch and routing ...

### 7050X4 Series 100G | 200G | 400G Data Center Switches

The 7050CX4M-48D8 is a 2RU system with 48 100G QSFP-28 and 8 400G QSFP-DD ports, offering wire speed throughput of up to 8.0 Tbps with MACsec encryption support.

### 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.

### Amphenol QSFP DD Series I/O Connectors - Mouser

Mouser offers inventory, pricing, & datasheets for Amphenol QSFP DD Series I/O Connectors.

### QSFP-DD Connector System

QSFP-DD Interconnect System enables faceplate density equal to the current 2x1 QSFP form factor, but with 8-lane ports. In other words, a total of 256 differential pairs with 32 ports delivers double-lane ...

### 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 high-speed channels, and grounded, low ...

### QSFPDD Datasheet (PDF)

Description: QSFP DD Connectors. Manufacturer: Amphenol Communications Solutions.

### UE36-C26200-05C3A | QSFP DD | Amphenol

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