



**EIT Opto-Routing**

# Industrial Switch QSFP-DD for Hospitals





## 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.



## Industrial Switch QSFP-DD for Hospitals

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### QSFPDD Datasheet (PDF)

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

### Small Form-factor Pluggable

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Note that the QSFP/QSFP+/QSFP28/QSFP56 are designed to be electrically backward compatible with SFP/SFP+/SFP28 or SFP56 respectively. Using a

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



It provides a QSFP-DD-to-QSFP-DD copper direct-attach solution. QDD-400-Cu xM cables are suitable for very short links and offer a cost-effective

## Understanding QSFP Switches: A Comprehensive

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Explore the latest QSFP switches for modern network solutions with this comprehensive guide. Learn about port configurations, features, and more.

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

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Compare QSFP-DD and OSFP. Learn about size, compatibility, cooling, density, and use cases. Includes comparison tables, deployment advice,



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

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Amphenol's QSFP-DD interconnect system delivers high-speed performance with exceptional signal integrity. With 76 contacts per port, eight

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

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QSFP-DD to 4xQSFP28 cable assemblies are high performance, high bandwidth and cost effective interconnect solutions that support 400G standard applications with different data rates.

## **QSFP-DD Series**

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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

## **The Ultimate Guide to QSFP Cables**

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40G-QSFP-SR4-ST Optical Transceiver Module How to Choose the Right QSFP Cable?  
Choosing a QSFP cable isn't just about matching the speed.

## **QSFP-DD Connectors, Cages and Cable Assemblies**

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TE's next generation QSFP-DD products are aligned with the industry's 112G channel performance needs on signal integrity performance. QSFP-DD cages are



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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

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

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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

## QSFP-DD Hardware

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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



## **Arista 100G SFP-DD and DSFP Connectivity Solutions**

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Arista's 100G/port SFP-DD and DSFP systems are quad-rate systems, enabling the use of 10G, 25G and 50G SFP optics and cables, as well as 100G SFP-DD / DSFP cables - enabling one system to

### **Specification - QSFP-DD**

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August 7, 2020 - QSFP-DD Hardware Specification for QSFP DOUBLE DENSITY 8X PLUGGABLE TRANSCEIVER - Rev 5.1  
July 11, 2019 - QSFP-DD Hardware Specification for QSFP



## How to Achieve Interconnection Between OSFP and QSFP-DD Ports?

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This article outlines key OSFP and QSFP-DD differences and offers four practical interconnection solutions to support scalable 400G/800G data center networks.

## QSFP-DD Compatible Switches: Complete 2025 Vendor Guide

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

## QSFP-DD CONNECTORS & CABLE ASSEMBLIES PRODUCT

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The QSFP-DD portfolio's backwards compatibility allows existing QSFP modules to be plugged into QSFP-DD ports. Our QSFP-DD cages feature a proprietary heat sink design,



making them the only

## **QSFP-DD Connectors, Cages and Cable Assemblies**

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QSFP-DD provides high-performance computing capability. The QSFP interconnects density is doubled with electrical interface, providing superior thermal and signal

## **QSFP-DD Connector System**

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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

## **All About QSFP Cables, Connectors, and More**

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Production plans are in place for 800G OSFP and QSFP DD cable assemblies, giving Amphenol an advantage over the competition when it comes

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

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

## **QSFP-DD (Double Density) Interconnect System and Cable**

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QSFP-DD Interconnect System's 8-lane electrical interface transmits up to 28 Gbps NRZ or 56 Gbps PAM-4, up to 200 or 400 Gbps aggregate, with the same footprint as QSFP Interconnects, making



## QSFP DD Connectors

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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 400Gb/s in aggregate over an

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

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

### Contact Us

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For datasheets, pricing, or custom optical networking solutions, please visit:  
<https://www.entrenamientointeligente.es>