

# **Panama Consulting Air-cooled Switch QSFP-DD**





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### **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

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### **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

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## White Papers - QSFP-DD

The QSFP-DD MSA will define a new pluggable form factor that supports 8 high speed electrical interfaces connecting to the host. This will include a mechanical module, a 2x1 Cage with

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## QSFP-DD Strategies Help Data Centers Keep Cool

Another option, the stacked layout, places QSFP-DD modules on the same side of the PCB, so air flows on only one side. By maximizing the heat sink

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## 400G OSFP/QSFP-DD/QSFP112 Module Introduction and Selection

This article explores the technical characteristics, product lineup, and use cases of 400G OSFP/QSFP-DD/QSFP112 modules to choose the most suitable 400G solution for your data centers.



## **Linking DGXs, Switches, ConnectX-7 & ConnectX-8 Adapters, and**

Although 400Gb/s is the speed rating, these switches use connector cages that house two 400Gb/s ports in a single cage called 2x400G twin-port OSFP and are used exclusively in these

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## **High-Speed Hardware and Immersion Cooling Solutions , FIBERSTAMP**

HIGH-SPEED INTERCONNECT HARDWARE AND LIQUID COOLING SOLUTIONS FOR DATA CENTER AND HPC Parallel and WDM DCI Solutions Elevate Data Center Connectivity

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## **QSFP DOUBLE DENSITY 8X PLUGGABLE TRANSCEIVER**

Abstract: This specification defines: the electrical and optical connectors, electrical signals and power supplies, mechanical and thermal requirements of the pluggable QSFP Double Density (QSFP-DD)

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## **Optimizing QSFP-DD Systems to Achieve at Least 25 Watt Thermal**

Effective cooling solutions require optimizing airflow, heatsink placement, and thermal interface materials. The whitepaper discusses advancements in QSFP-DD thermal management since the

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## **Molex QSFP-DD BiPass Module Cooler Helps**

The Molex 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

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## **QSFP-DD Cage**

1x1, 1x4, 2x1 and 2x6 cage configurations Fin- and Pin type heat sink available Industry leading signal integrity (SI report on request) Up to 112Gbps-PAM4 per

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## **FS 400G QSFP-DD: Complete Guide and Solutions**

Explore FS 400G QSFP-DD transceivers and cables for cost-effective, low-power, and scalable 400G data center connectivity, supporting

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## 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

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## 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

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## QSFP-DD DCO 400G DWDM Tunable Coherent

Learn more 400G DWDM Tunable QSFP-DD Transceiver Module for FS Switches (SMF,1528.77nm~1567.13nm,

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