

Compatible QSFP-DD air-cooled switch supplier in Belarus



AI Overview

QSFP-DD compatible air-cooled switches are available from major international vendors, including Cisco, Arista, Juniper, and Mellanox, which can be sourced in Belarus through authorized distributors or resellers.

Overview of QSFP-DD Switch Compatibility

QSFP-DD (Quad Small Form-factor Pluggable Double Density) switches support high-density ports with 8 lanes of 50 Gbps PAM4 signaling, enabling up to 400 Gbps per port, with some models supporting 800G or 1.6T per port. Air-cooled switches are designed to operate efficiently with QSFP-DD modules, which may consume 10–25W per port, requiring proper thermal management. Backward compatibility allows QSFP-DD ports to accept legacy QSFP28 or QSFP+ modules, providing flexibility for mixed deployments.

Key International Vendors

- Cisco** – Offers QSFP-DD capable switches in the Nexus and Catalyst series, supporting 400G and 800G configurations with air-cooled options. Cisco switches are widely available through authorized distributors in Eastern Europe, including Belarus.
- Arista Networks** – Provides high-density 400G and 800G switches with QSFP-DD ports, optimized for data center and AI workloads. Arista partners in Belarus can supply air-cooled models.
- Juniper Networks** – The QFX series supports QSFP-DD modules with air-cooled designs, offering backward compatibility and high port density. Local resellers can facilitate procurement.
- Mellanox (NVIDIA Networking)** – Offers Spectrum-based switches with QSFP-DD support, suitable for hyperscale and AI applications, with air-cooled variants. Distributors in Belarus or nearby regions can provide access.
- TE Connectivity and Amphenol** – While primarily providing QSFP-DD connectors and cages, these companies supply components used in switches and can guide integration for air-cooled systems.

Sourcing in Belarus

While no Belarus-specific sup...

Article Content

OSFP vs QSFP-DD vs QSFP112: Which Form Factor to

Compare OSFP, QSFP-DD, and QSFP112 optical modules with detailed specs, power consumption, compatibility, and deployment guidance.

QSFP28 modules

QSFP-DD products cannot be used in QSFP56, QSFP28, or QSFP+ ports. Although the products may appear to be the same physical size, QSFP-DD products

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

Arista Optics Modules and Cables

To accommodate an increasing spectrum of applications, Arista offers a wide choice of OSFP, QSFP-DD, QSFP, SFP, SFP-DD and DSFP transceivers and cables that comply with industry standards,

Networking Interconnect | Networking

The NVIDIA® LinkX® product family of cables and transceivers provides the industry's most complete line of 10, 25, 40, 50, 100, 200, 400 and 800GbE in Ethernet

What is QSFP-DD Transceiver: A Beginner Guide

QSFP-DD transceiver is becoming increasingly popular in data center applications nowadays. In this beginner's guide, we will take a closer look at the

QSFP-DD Connectors, Cages and Cable Assemblies

TE's QSFP-DD 2x1 cages and connectors add to the wide range of existing QSFP-DD surface mount products, providing customers with additional design options

Cisco 400G QSFP-DD High-Power (Bright) Optical

Learn how Cisco 400G QSFP-DD High-Power (Bright) Optical module's small size and low power make it an optimal choice for a wide range of

QSFP DD Guide: High-Speed QSFP DD Optical Modules

Learn how QSFP DD enables high-speed 400G networking with higher density, compatibility, and performance for modern data centers.

FS | AI Infrastructure, Data Center, Enterprise

As a worldwide provider of high-performance network products and solutions, FS offers switches, optical transceivers, cabling systems, and management software

Connectivity in the Era of Big Data: Adapting with

This article discusses the transition of server connection speeds in data centers from 10GE and 25GE to 100GE and beyond. It introduces QSFP28,

TE Connectivity

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

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

QSFP Cables Explained 2025: Types, DAC vs AOC,

Learn about QSFP cables: QSFP+, QSFP28, QSFP56, QSFP-DD. Compare DAC vs AOC, speeds, lengths, and use cases in data centers.

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

The four, twin-port OSFP flat-top cages support 800G single-mode or multimode transceivers and are usually linked to air-cooled switches using twin-port OSFP finned-top transceivers.

QSFP-DD Compatible Switches: Complete 2025

This guide provides a comprehensive overview of QSFP-DD compatible switches across major vendors, explains the fundamentals of

Edgecore DCS810 25.6T P4 Programmable Data

Discover the Edgecore DCS810 25.6T P4 programmable data center switch with 32 x 400G QSFP-DD ports. Built for hyperscale networks, it delivers high

QSFP, QSFP+, zQSFP, QSFP28 and QSFP56, QSFP

Our complete quad small form factor pluggable, QSFP connector portfolio includes QSFP+, zQSFP, QSFP28, QSFP56 and QSFP 112G. We provide a large range

Ultimate QSFP Transceiver Guide: Types (40G/100G)

Confused by QSFP types? Decode the differences between QSFP+, QSFP28 (100G), and QSFP-DD. Learn how to select the right speed, connector (SR4 vs

How to Choose QSFP Modules: 40G, 100G & QSFP-DD Guide

Learn how to choose QSFP modules for 40G, 100G, QSFP28, QSFP56, and 400G QSFP-DD networks. Compare speed, distance, fiber type, compatibility, and LINK-PP products.

Understanding Backward Compatibility with QSFP-DD,

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

QSFP-DD vs QSFP112: Complete 400G Form Factor

Compare QSFP-DD vs QSFP112 for 400G networking. Learn electrical differences, power efficiency, backward compatibility, and which form

Specification – QSFP-DD

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

QSFP-DD Optical Transceivers for High-Speed

QSFP-DD ports incorporate a riding heatsink that can be sized independently of the optical module, added on top of the module, or placed

Cisco QSFP-DD800 Transceiver Modules Data Sheet

The Cisco family of QSFP-DD800 modules leverages the cornerstone of high-speed, high-density pluggable form factors, QSFP. The QSFP-DD800 provides the industry's highest bandwidth density

Backward Compatibility: QSFP-DD/QSFP28/QSFP+/SFP+

Backward compatibility is closely bound up with the network upgrading and transceiver operation. This article will give a comprehensive backward compatibility guide, including SFP+,

QSFP28 Compatible Switches: Complete Guide by Vendor

Most QSFP-DD platforms (such as NVIDIA SN4700/SN5400 and Arista 7060X4) are designed with native backward compatibility for QSFP28

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

Contact Us

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

Website: <https://www.mr-security.co.za>

Email: info@mr-security.co.za

Phone: +33 1 45 23 67 81

Address: 10 Rue de la Paix, 75002 Paris, France

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