

Supplier PoE Switch QSFP-DD



AI Overview

QSFP-DD PoE switches are available from vendors like QSFPTEK, TE Connectivity, and Molex, offering high-density, high-speed ports compatible with 400G and 800G transceivers.

Overview of QSFP-DD PoE Switches

QSFP-DD (Quad Small Form-factor Pluggable Double Density) switches are designed to support high-speed networking with an eight-lane electrical interface, enabling up to 400 Gbps per port using 50 Gbps PAM4 signaling, and up to 800 Gbps with 112G PAM4 modules. These switches are backward compatible with legacy QSFP modules, allowing integration with existing infrastructure while providing a path for future upgrades. For PoE applications, modern QSFP-DD modules typically fall into Class 6-8 power categories, consuming approximately 10W to 25W per port. Switches must support these power levels to ensure proper operation; older switches with lower PoE capacity may fail to power QSFP-DD modules.

Key Features to Consider

- Port Density:** QSFP-DD switches double the port density compared to QSFP28, allowing more connections in the same chassis footprint.
- Backward Compatibility:** QSFP-DD cages and connectors support QSFP, QSFP28, and QSFP+ modules, providing flexibility for mixed deployments.
- Thermal Management:** QSFP-DD cages often include integrated heat sinks to handle higher power modules efficiently, maintaining signal integrity and reliability.
- Electrical Flexibility:** Support for downshifting to 25 Gbps NRZ ensures compatibility with older transceivers while enabling full 400G or 800G operation.

Notable Suppliers

- QSFPTEK** – Offers a range of PoE Ethernet switches with QSFP-DD ports, supporting high-speed transceivers and global shipping.
- TE Connectivity** – Provides QSFP-DD connectors, cages, and integrated solutions optimized for thermal performance and high-density data center applications.
- Molex** – Supplies QSFP-DD interconnect systems with 8-lane ports, backward compatibility, and support for 28G NRZ, 56G PAM4, and 112G PAM4 signaling.

Recommendations

Verify PoE power class compatibility before procureme...

Article Content

PoE Ethernet Switches

Need PoE switches to build surveillance systems or flexibly deploy end devices in SMBs? Buy PoE switches transmitting both data and power over a single Ethernet cable and supporting stacking.

800G OSFP/QSFP-DD | Transceiver Modules

FS provides an expanding portfolio of 800G OSFP/QSFP-DD solutions featuring high-performance, high-bandwidth, and backward compatibility. The 800G

QSFP-DD Hardware

QSFP-DD MSA family of modules and cages remain fully backward compatible with the classic QSFP+ formfactor. This document provides a common specification for systems manufacturers, system

Available in

Ordering Guide Welcome to the Fortinet FortiSwitch Ordering Guide. This guide is designed to serve as a comprehensive reference for Fortinet's secure access switch solutions, which are built to deliver

QSFP-DD Linear Pluggable Optics (LPO)

Amphenol's QSFP-DD Linear Pluggable Optical (LPO) Transceiver delivers low-latency, high-bandwidth PCIe ® Gen 5.0 over optical link, enabling

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

SFP Qsfp Qsfpdd Optical Transceiver Manufacturer, 1g 2.5g 10g

SFP Qsfp Qsfpdd Optical Transceiver Supplier, 1g 2.5g 10g Copper SFP RJ45, Poe Ethernet Switch Manufacturers/ Suppliers - Shenzhen Jeetronics Communications Co., Ltd.

NVIDIA Mellanox MSN4700-WS2FC Spectrum-3 SN4700 Switch L3

Buy Nvidia Mellanox Msn4700-ws2fc Spectrum-3 Sn4700 Switch L3 Managed 32 X 400 Gigabit Qsfp-dd Back To Front Airflow Rack-mountable. New Factory Sealed. In Stock..Great customer service.

HW CE9855-32DQ Industrial Poe Switch with 32*400GE QSFP-DD

CE9855-32DQ 02355YSF 32 X 400ge Qsfp-Dd + 2 X 10ge SFP+ Ports 400ge data center network Switch No reviews yet Chongqing Yujia Technology Co., Ltd. Multispecialty Supplier

Cisco Nexus 9300 32-port 400G Switch

32 400G QSFP-DD ports and two fixed 1/10G SFP+ ports in 1RU form factor. 8 400G QSFP-DD ports with MACsec and CloudSec capability. Every QSFP-DD port is breakout capable. Supports 12.8

QSFP-DD-kompatible Switches: Vollständiger Herstellerleitfaden 2025

Finden Sie heraus, welche Switches QSFP-DD-Module unterstützen. Unser Leitfaden für 2025 behandelt Plattformen von Cisco, Arista, Juniper und NVIDIA und bietet Tipps zur

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

QSFP-DD Compatible Switches: Complete 2025

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

Kompatible SFP+ Transceiver Module für alle Hersteller

Hier eine Liste von kompatiblen SFP+, QSFP+ & SFP28 Transceiver Modulen für alle Hersteller. 10Gbit, 25Gbit, 40Gbit und 100Gbit.

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+,

H3C S10508X-G HARDWARE INFORMATION Pdf

View and Download H3C S10508X-G hardware information online. S10508X-G switch pdf manual download.

Cisco QSFP-DD800 Transceiver Modules Data Sheet

For more information and references on QSFP-DD cable guides, please click on the following link: Cisco Transceiver Modules - Brochures - Cisco

NVIDIA Mellanox 920-9N301-00FB-0C0 Spectrum-3 SN4700 Switch

Buy Nvidia Mellanox 920-9n301-00fb-0c0 Spectrum-3 Sn4700 Switch L3 Managed 32 X 400 Gigabit Qsfp-dd Back To Front Airflow Rack-mountable. New Factory Sealed. In Stock..Great customer service.

10/25/40/100GbE Data Center Switches

QSFPTEK provides a variety of 10/25/40/100G speed data center switches, offering the best-priced high-performance solutions for large enterprises and cloud providers.

NETWORKING

64 <650 128 (breakout) 128 (breakout) N/A 128 (breakout) 128 (breakout) 128 (breakout) 64 (breakout) 32 (QSFP-DD) N/A N/A 630 (normal) AC 1+1 Air I/P or P/I (C2P or P2C) Operating Systems

SFP+, XFP, QSFP+, DAC Twinax Cable 10Gtek Transceivers Co., Ltd

DAC Twinax Cable Maker. CE, FCC, RoHS, ISO9001 Certified. Professional Manufacturer focusing on SFP+ Cables, QSFP+ Cables, MiniSAS Cables, QSFP Cables, XFP Cables, CX4 Infiniband Cables

Network Cards, Adapters, and NICs Explained: Types

Learn what network cards, adapters, and NICs are. Understand wired vs wireless, PCIe vs USB, 1G-100G speeds, RJ-45 vs SFP+, installation

Passive PoE Switch Selection Guide

Selecting the right Passive Power over Ethernet (PoE) solution is crucial for optimizing network performance and meeting specific power requirements. The choice of a passive PoE

QSFP-DD Steckverbinder, Cages und Kabelsätze | TE Connectivity

Die neuen QSFP-DD 112G SMT Buchsensteckverbinder von TE Connectivity können die Anforderungen von Rechenzentren der nächsten Generation erfüllen, indem sie die Dichte in einem bestehenden

Contact Us

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