

Price list for QSFP-DD core switches for data center interconnection

Article Overview

QSFP-DD switches for 400G/800G data center interconnects range from \$1,400 per module for short-reach SR8 optics to over \$130,000 for long-haul coherent ZR+ modules, with switch chassis pricing varying by port density and vendor.

QSFP-DD Module Pricing

- o Short-Reach (SR8) Modules: Ideal for in-rack or cross-row connections, priced between \$1,400 and \$1,800 from reputable third-party vendors .
- o Medium-Reach (DR4/FR4) Modules: Used for inter-row or campus links, prices are competitive due to third-party availability, generally \$2,000-\$5,000 depending on vendor and volume .
- o Long-Reach (LR4, ZR, ZR+) Modules: For wide-area DCI, OEM LR4 modules can exceed \$10,000, while coherent ZR/ZR+ modules may reach \$130,000 per unit . Third-party alternatives can offer significant savings.

QSFP-DD Switch Pricing

- o Edgecore DCS Series:
 - o DCS240: 32 QSFP56-DD ports, supports 100/400 GbE spine interconnects. Pricing varies by quantity and configuration .
 - o DCS520: 64 QSFP56-DD ports, high-performance spine switch, ONIE-compatible for NOS installation .
 - o DCS510: 32 QSFP-DD ports, line-rate L2/L3 switching, suitable for spine or leaf deployment .
- o UfiSpace S9300/S9301 Series: High-performance white box switches for data center networking, pricing depends on port count and service capacity .
- o Cisco QSFP-DD Chassis:
 - o Cisco 8201/8202: 24-12x400GE QSFP56-DD ports plus 100GE QSFP28 ports, pricing available via Cisco Global Price List .
 - o NCS Series: NCS1004, NCS2K, and NCS560 modules with QSFP-DD interfaces, suitable for DCI deployments .

Considerations for Procurement

- o Port Density: Options range from 32 to 64 QSFP-DD ports per chassis, affecting total cost.
- o Module Type: SR8 for short distances, DR4/FR4 for medium, LR4/ZR/ZR+ for long-haul DCI.
- o OEM vs Third-Party: Third-party modules can reduce costs significantly, especially for coherent optics.
- o Volume Discounts: Many vendors offer tiered pricing for bulk purchases, which can lower TCO.

Price list for QSFP-DD core switches for data center interconnection

o TCO Analysis: Consider module lifespan, power consumption, and interoperability when budgeting for large-scale deployments . For accurate pricing, it is recommended to request vendor quotes based on your specific port count, module type, and deployment distance, as costs vary widely depending on these factors.

Product overview The ongoing explosion of data traffic is driving the need for faster processing, greater bandwidth, and higher

The Edgecore DCS810 data center switch is a versatile leaf or spine switch designed for large scale data centers. This switch, in a

QSFP-DD 2x1 cages and connectors" stacked configuration allows for more height from the host board to allow for a more unified

The UfiSpace S9110-32X is a high-performance data center switch with 32 x 100G QSFP28 ports, Broadcom Trident3-X7 silicon, and

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

The Edgecore DCS520 is a high-performance spine switch for data centers, offering line-rate L2 and L3 switching across 64 x

SFP vs. SFP+ vs. QSFP Key Differences Choosing the right high-speed interconnect is a

QFX Series Switches deliver industry-leading throughput and scalability, an extensive routing stack, the

FS 100 Gigabit data center switches with build-in broadcom switch chip provides powerful hardware switching capacity and data

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

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

This article discusses the transition of server connection speeds in data centers from 10GE and 25GE to 100GE and

Price list for QSFP-DD core switches for data center interconnection

QSFP-DD price guide with 400G/800G module costs, OEM vs third-party comparison, volume discounts, and 3-year

In addition to the price advantage, 400G QSFP-DD AOC cables have the advantage of lightweight, longer

What is a QSFP Switch and How Does It Work? Key Features of a QSFP Switch QSFP switches were created in order

The Edgecore DCS510 is a high-performance spine switch for data centers, offering line-rate L2 and L3 switching across 32 QSFP

Web: <https://in-au.co.za>

