Price List for 800G Industrial Switches for Data Center Interconnection



Overview

400G/800G AI Data Center Switches With advanced Layer 2 and Layer 3 features, including VLAN, QoS, and Link Aggregation, our switches optimize high-bandwid.

Key Takeaways

The average selling price of 800G data center switches is approximately $600 per unit, with prices varying by vendor, features, and port density.

Market Overview and Pricing

As of 2025, the global production of 800G data center switches reached 3. 45 million units, with an average selling price of around $600 per unit and a gross profit margin of approximately 24. 2%.

Prices can vary depending on the switch model, bandwidth capacity, port count, and vendor. High-end switches designed for AI workloads or hyperscale data centers may command higher prices due to advanced ASICs, low-latency performance, and software-defined networking capabilities.

Major Vendors

Key manufacturers of 800G switches include: Juniper NetworksHPE (Aruba)Arista NetworksCiscoHuaweiH3CEdgeCoreFoxconn Industrial Internet These vendors offer switches with varying port densities, bandwidth capacities, and software features, which influence pricing. Example Models and FeaturesNADDOD N9500-64OC: 51. 2Tbps bandwidth, Broadcom Tomahawk 5 ASIC, SONiC OS, optimized for AI workloads and low-latency interconnects.

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Arista 800G Series: High-density 800G ports, designed for hyperscale cloud environments. Cisco Nexus 8000 Series: Supports 800G Ethernet, advanced SDN integration, and energy-efficient operation.

Pricing Considerations

Port Density: Switches with more 800G ports or modular expansion options are priced higher.

Software and O

S: Proprietary OS or advanced SDN features can increase cost. AI/ML Optimization: Switches optimized for AI workloads may cost significantly more than standard 800G switches. Bulk Procurement: Large-scale purchases for hyperscale data centers may reduce per-unit cost through vendor negotiation.

Market Trends

The 800G switch market is rapidly growing, with a projected CAGR of 22–41% through 2032, driven by AI, cloud computing, 5G, and high-throughput data center demands. This growth is pushing vendors to offer higher bandwidth, lower latency, and energy-efficient solutions, which can influence pricing and availability.

Summary

Average Price: ~$600 per unit (2025 market average)Price Range: Varies widely depending on vendor, features, and port densityKey Vendors: Juniper, HPE, Arista, Cisco, Huawei, H3C, EdgeCore, FoxconnFactors Affecting Price: Port count, ASIC type, software features, AI/ML optimization, bulk orders For precise pricing, it is recommended to contact vendors directly for quotes based on your specific configuration and deployment requirements. This ensures accurate cost estimates for procurement and budgeting.

Article Content

400G/800G AI Data Center Switches

With advanced Layer 2 and Layer 3 features, including VLAN, QoS, and Link Aggregation, our switches optimize high-bandwidth and low-latency applications, providing you with a powerful and efficient

400/800G PicOS® Switches

FS 400/800G PicOS® data center switches offer high speeds and port densities to meet the network deployment requirements of various scenarios and the

800G Ethernet AI Data Center Switches

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800G data center switches represent the next generation of networking technology, which includes NADDOD N9500-64OC. It can be used with large amounts of copper cable to interconnect switch to

QSFP-DD Price Guide 2026: 400G/800G Costs & TCO Analysis

QSFP-DD price guide with 400G/800G module costs, OEM vs third-party comparison, volume discounts, and 3-year TCO analysis for data center buyers.

800G Data Center Switches

The S9320-32ED 800G Data Center Switch offers 8x 800GE & 24x 400GE ports, advanced AI/ML traffic control, and 16 Tbps capacity, ideal for high-performance computing.

Global 800G Data Center Switches Market 2026 by Manufacturers,

Chapter 2, to profile the top manufacturers of 800G Data Center Switches, with price, sales quantity, revenue, and global market share of 800G Data Center Switches from 2021 to 2026.

400G/800G Data Center Switches | High Speed Ethernet Switch for AI

Empower AI data centers with 400G & 800G ethernet switches from Cisco Nexus, Huawei & Arista. All models are available from our global stock. Talk to our experts.

Data Center Switches Buying Guide: 800G & 1.6T for AI Clusters

Compare 800G vs 1.6T switch specs, evaluate Arista, NVIDIA, and white-box vendors, and understand power, density, and SONiC compatibility for AI-scale deployments.

Celestica DS4101 (R4030-F9001) | 800G Data Center Switch

Celestica DS4101 is an ultra-high-capacity 800G OSFP switch engineered for advanced data center and cloud infrastructures that require exceptional throughput, scalable fabric architecture, and reliable low

Empower AI/ML: STORDIS 800G Switching Solutions

Experience cutting-edge 800g AI-ML switching solutions at Stordis. Drive innovation and performance for your business. Explore now!

Is a Trillion

Cloud providers are building data centers, and AI companies are expanding training clusters. As computing power infrastructure continues to be upgraded, funds are also starting to look

High Speed Optical Modules: Market Evolution & 2033 Projections

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High Speed Optical Modules growth is driven by expanding cloud services, data center interconnection, and AI applications. Market to reach $35.5B by 2033 with 11.5% CAGR. Analyze key

Global 800G Data Center Switches Market Research Report 2026

800G Data Center Switches Market Size The global 800G Data Center Switches market was valued at US$ 2939 million in 2025 and is anticipated to reach US$ 33210 million by 2032, at a

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800G Data Center Switches

Therefore, 400G and 800G switches have become a necessary choice for data center and enterprise network upgrades. The global market for 800G Data Center Switches was estimated to be worth

Bernstein''s 97-page research report breaks down: In the battle for AI ...

Bernstein''s 97-page in-depth report: AI data center connectivity replaces computing power as a new bottleneck; copper-optical interconnects will coexist for a long time; CPO direction is

800G Client Optics in the Data Center

The next key development is 800G, and the industry is already gearing up to deploy this next generation of client optics in hyperscale data centers. Developments in three distinct areas are needed for 800G

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