

Ranking of Core Switches in Data Centers



Overview

Cisco, Juniper Networks, Arista Networks, and Huawei topped Gartner's latest quad-box ranking of the market's leading data center switching vendors, a market that like most is being heavily impacted by growing interest in artificial intelligence (AI). Data center switches are Ethernet switches installed in a data center environment intended to provide connectivity for endpoints, including servers, firewalls, and Layer 4 through Layer 7 appliances and mainframes. Data center switches provide Cisco Nexus Switches, managed through the Cisco Nexus. We'll analyze their architecture, management platforms, and key differentiators, including critical market shifts like the completed HPE acquisition of Juniper Networks. This is the definitive guide for technical leaders who need to make the right call. An enterprise switch is a long-term. Data center switches are specialized devices engineered to handle the demanding networking requirements of modern data centers. 4 billion in 2023 and is expected to reach US\$ 24. Similarly, the high-density frame core switch market was valued at US\$ 3.



Article Content

Jan 21, 2026

An Ultimate Guide To Data Center Switches

Comprehending data center switches is crucial to understanding the mind-boggling data center infrastructure that supports computerized operations.

Oct 10, 2025

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Data center

Utah Data Center (2013) A data center is a facility used to house computer systems and associated components, such as telecommunications and storage systems.

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Core Switches: The Backbone of High-Speed Data Networks

Core switches form the backbone of large-scale networks, handling massive amounts of data traffic with high speed and reliability. Whether in a data center, enterprise, or ISP environment, core switches

Dec 14, 2025

Data Center Switches: A Comprehensive Overview

These switches connect various network devices, including servers and storage systems, ensuring efficient and reliable data flow throughout the data

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Data Center Switch Market Analysis | Industry Report,

Edge and enterprise data centers lean into fanless, temperature-hardened switches tailored for industrial and retail environments, illustrating the

Dec 11, 2025

Cisco, Juniper, Arista, Huawei top Gartner data center

Cisco, Juniper, Arista Networks, and Huawei topped Gartner's latest quad-box ranking of the market's leading data center switching vendors.

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Top Data Center Network Switch Makers

Switches support range of workloads: The EX series of Ethernet switches provide for access, aggregation and core networking for branch, campus, data center and service provider

Apr 19, 2026

2025 Gartner® Critical Capabilities for Data Center

Juniper Networks is named a Leader in the 2025 Gartner® Magic Quadrant™ for Data Center Switching. Download the Gartner Magic Quadrant Report and

Jan 04, 2026

Top 8 Data Center Switch Manufacturers Market Share & Analyst Report

VMR's Q1 Market Intelligence Report evaluates the top data center switch vendors. Compare Cisco, Arista, and HPE on 800G maturity, AI fabric scalability, and 21% market share

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Recommendations for core switch

Hello, I need recommendations for core switch. Should support ipv6, 96 1g ports, a good mac address table size? I currently use 3850 and we are going from 5 racks to 18 racks so I need

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Test Reports Show Nexus 9000 Data Center Switches

Let's cut right to the chase: The Cisco Nexus 9508 is the densest, fastest data center switch we've ever tested. Even in the rarified world of data

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Gartner Magic Quadrant for Data Center Switching

The data center switching market has undergone substantial change in the past 18 months due to interest in AI infrastructure. I&O leaders can use this

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Best Data Center Switches: User Reviews from January 2026

Choose the right Top Data Center Switches using real-time, up-to-date product reviews from verified user reviews.

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Best Enterprise Switches 2025: Top 5 Network Switches

This is not another surface-level review. This is a technical deep dive into the premier enterprise network switches defining 2025. We move beyond

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Gartner® Magic Quadrant™ | DC Switching | Huawei

Huawei has been Recognized as a Leader in the 2025 Gartner® Magic Quadrant™ for Data Center Switching. In-depth insights!

Dec 29, 2025

ITEE::Future Data Centers Core Switches Design Challenges

ABSTRACT A data center is a collection of servers which are connected in ToR configuration. Currently data centers run on electronic packet switching technology. Due to explosive growth of data in past

Jun 26, 2025

What are data center-class switches?

What are data center-class switches? Choosing the right switch for your data center can be a difficult task. This article looks at how data center-class

Dec 05, 2025

Best Core Switches for 2026 Enterprise Networks

Discover the best core switches for 2026 enterprise networks. Explore top-rated data center and modular options, key trends like 400G/800GbE, and expert recommendations.

Aug 01, 2025

Data Center Switching: Enhancing Network

Data center switches play a vital role in ensuring the smooth flow of data within a data center. These switches are categorized into three primary types: core,

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Data Center Switches | Dell USA

Explore Dell PowerSwitch data center switches built for performance, flexibility, and energy efficiency. Discover open networking, low latency, and simple

Apr 02, 2026

Which Data Center Switch Vendors Lead the Market in 2025?

Data center switch vendors like Cisco, Arista Networks, Juniper Networks, and Hewlett Packard Enterprise (HPE) dominate the market, delivering advanced, high-performance networking

Aug 04, 2025

Datacenter Core Switch Recommendations : r/networking

Datacenter Core Switch Recommendations I know there has been a ton of core switch recommendation posts and I been through a bunch of them and from my understanding, it is mostly trying to determine

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