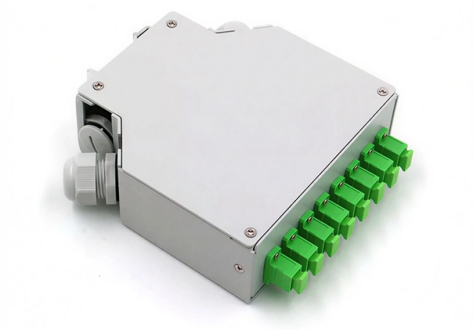


Ranking of Core Switches in Data Centers



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 foundational connectivity mostly for compute resources. Data center switches are specialized devices engineered to handle the demanding networking requirements of modern data centers. As the backbone of data center infrastructure, these switches facilitate efficient data flow between servers and external networks, ensuring high availability. The user is asking for "best core switches," which refers to networking hardware used in enterprise or data center environments. To address this, I need to identify the most current and reliable information on top-rated core switches. The software enables network management, security, automation, and troubleshooting across various deployment sizes, focusing on campus, branch. Juniper Networks is named a Leader in the 2025 Gartner® Magic Quadrant™ for Data Center Switching.

Article Content

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Data Center Switch Market by Type (Core, Distribution, and Access), Technology (Ethernet, Fiber Channel, and InfiniBand), End User (Enterprise, Telecom, Government, and Cloud), Bandwidth, and

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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 research to shortlist vendors that

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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

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The data center and cloud networking vendors covered in this market provide hardware and/or software solutions to deliver connectivity primarily within enterprise data centers. This includes data center

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