

## **Global Data Centre Switch Market Report and Forecast 2024-2032**

Market Report | 2023-12-13 | 226 pages | EMR Inc.

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### **Report description:**

Global Data Centre Switch Market Report and Forecast 2024-2032

Market Outlook

According to the report by Expert Market Research (EMR), the global data centre switch market grew significantly in 2023. Aided by the exponential growth in digital data generation and the mounting need for efficient data management solutions, the market is projected to further grow at a CAGR of 6% between 2024 and 2032.

Data centre switches are integral components of modern data centres, playing a crucial role in managing traffic, ensuring seamless connectivity, and optimising the application performance across the network infrastructure. They form the backbone of the data centre's networking landscape, facilitating both inbound and outbound data-intensive operations. Given the surge in cloud-based applications, e-commerce, and AI-driven operations, the efficiency of data centre switches has become paramount. A notable trend amplifying the global data centre switch market demand is the escalating demand for high-speed data services. As businesses become more digitally integrated, the need for high-speed data processing and low-latency networks becomes imperative. Modern-day switches, equipped with higher bandwidths and advanced features, are well-poised to cater to this increasing demand, paving the way for market growth.

As per the data centre switch market analysis, the ongoing global digital transformation has spurred the growth of data centres across various sectors, from IT and finance to healthcare and e-commerce. The rise in remote working environments, especially after the global pandemic, has emphasised the importance of robust digital infrastructures, further boosting the need for efficient data centre switches.

The diversification of data centre operations, including the adoption of multi-cloud and hybrid cloud environments, has boosted the data centre switch market growth to support the growing complexity of operations. The evolution of Software-Defined Networking (SDN) and the integration of AI and machine learning into data centre operations have given a new dimension to switch functionalities, making them more adaptive and intelligent.

On the technological front, the advent of next-gen technologies such as 400G switches offers significantly higher data throughput, ensuring faster data transfers and reduced bottlenecks. Such advancements are naturally gaining traction among enterprises that manage vast amounts of data regularly.

Nevertheless, the transition towards a more interconnected world, characterised by IoT devices, smart cities, and interconnected

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vehicles, hints at the indispensable role of data centres in the foreseeable future. In such a landscape, the significance of data centre switches is irrefutable.

#### Market Segmentation

The market can be divided based on type, technology, bandwidth, end use, and region.

#### Market Breakup by Type

- Core Switches
- Access Switches
- Distribution Switches

#### Market Breakup by Technology

- Introduction
- Ethernet
- Fibre Channel
- Infiniband

#### Market Breakup by Bandwidth

- ?1 GBPS
- >1 GBPS to ?10 GBPS
- >10 GBPS to ?40 GBPS
- >40 GBPS

#### Market Breakup by End Use

- Enterprises
- Telecommunication Industry
- Government Organisations
- Cloud Service Providers

#### Market Breakup by Region

- North America
- Europe
- Asia Pacific
- Latin America
- Middle East and Africa

#### Competitive Landscape

The EMR report looks into the market shares, plant turnarounds, capacities, investments, and mergers and acquisitions, among other major developments, of the leading companies operating in the global data centre switch market. Some of the major players explored in the report by Expert Market Research are as follows:

- Cisco Systems Inc.
- Huawei Investment & Holding Co., Ltd
- Hewlett Packard Enterprise Co
- Arista Networks Inc
- Juniper Networks Inc.
- Dell Inc.
- ODM white-box makers
- Mellanox Technologies, Ltd.
- Extreme Networks, Inc.
- Fortinet
- ZTE Corporation
- D-Link
- Others

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