

Data Center Switch Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global data center switch market size reached US\$ 15.7 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 21.4 Billion by 2028, exhibiting a growth rate (CAGR) of 4.9% during 2023-2028.

Data center switches refer to high-performance switches that connect multiple devices on the same network within the data center. They connect the servers and build a network of shared resources that serve as a controller and allow the connected devices to share information and communicate. They can be deployed throughout the data center or to attach a two-tier (leaf-spine) or one-tier flat mesh or fabric architecture. They improve security, streamline operations, automate processes, and help manage application traffic flows in the cloud network efficiently. As a result, data center switches are widely utilized in data centers by large enterprises and cloud providers that heavily rely on virtualization.

Data Center Switch Market Trends:

The escalating demand for simplified data center management and automation and the rising workload in data centers represent the primary factors driving the market growth. Besides this, a significant rise in internet multimedia content and web applications and the growing need for connectivity between large numbers of servers over different tiers are augmenting the product demand. Additionally, there has been a substantial increase in the cloud and data traffic moving from and within the data centers. Along with this, with the increasing demand for data, there has been a rise in the need for data centers. As a result, cloud vendors are emphasizing on commissioning numerous data center projects with significant investments, which, in turn, is catalyzing the market growth. Furthermore, the leading players are launching innovative data center switches

integrated with advanced technologies like artificial intelligence (AI) to expand their product portfolio and gain a competitive edge. Moreover, several favorable initiatives undertaken by governments of various countries, such as the introduction of regulations regarding localization of data centers and heavy investments toward the development of green data centers, are propelling the market growth. Other factors, including the emerging trend of bare-metal switches, growing demand for data and cloud services, recent advancements in edge and cloud computing, extensive research and development (R&D) activities, and increasing bandwidth requirements, are also creating a positive market outlook.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global data center switch market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on type, bandwidth, technology and end user.

Breakup by Type:

- Core Switches
- Distribution Switches
- Access Switches

Breakup by Bandwidth:

- >1 Gbps to 10 Gbps to 40 Gbps

Breakup by Technology:

- Ethernet
- Fibre Channel
- InfiniBand

Breakup by End User:

- Enterprises
- Telecommunications Industry
- Government Organizations
- Cloud Service Providers

Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Arista Networks Inc., Cisco Systems Inc., Dell Technologies Inc., D-Link Corporation, Extreme Networks Inc., Hewlett Packard Enterprise Development LP, Huawei Technologies Co. Ltd., Juniper Networks Inc., New H3C Technologies Co. Ltd. (Tsinghua Unisplendour), Nvidia Corporation, Silicom Ltd. (Rad Group) and ZTE Corporation.

Key Questions Answered in This Report

1. What was the size of the global data center switch market in 2022?
2. What is the expected growth rate of the global data center switch market during

2023-2028?

3. What are the key factors driving the global data center switch market?
4. What has been the impact of COVID-19 on the global data center switch market?
5. What is the breakup of the global data center switch market based on the bandwidth?
6. What is the breakup of the global data center switch market based on the technology?
7. What are the key regions in the global data center switch market?
8. Who are the key players/companies in the global data center switch market?

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