

# **Data Center Networking Market Size, Share, and Analysis, By Component (Solution and Services), By Product (Ethernet Switches, Storage Area Network, Routers, and Others), By Vertical (BFSI, IT and Telecom, Healthcare, Retail, Government, and Other), and By Region (North America, Europe, Asia-Pacific, And Rest of the World) And Regional Forecast 2024-2034**

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## **Abstracts**

Data Center Networking Market Size, Share, and Analysis, By Component (Solution and Services), By Product (Ethernet Switches, Storage Area Network, Routers, and Others), By Vertical (BFSI, IT and Telecom, Healthcare, Retail, Government, and Other), and By Region (North America, Europe, Asia-Pacific, And Rest of the World) And Regional Forecast 2024-2034

### **PRODUCT OVERVIEW**

Data Center Networking Market is anticipated to exhibit a Compound Annual Growth Rate (CAGR) of 11.9% during the forecast span from 2024 to 2034. In 2023, the market size was assessed at USD 24.9 billion and is projected to reach USD 86 billion by the completion of 2034.

Data center networking refers to the architecture and technologies that enable efficient data communication and management in a data center. It involves connecting servers, storage systems, and networking devices to provide uninterrupted information exchange and accessibility. Hardware including switches, routers, and

firewalls are essential for managing the large amount of traffic and data processing requirements. Moreover, the objective of data center networking is to provide a strong and scalable network architecture that can accommodate the storage and distribution requirements of modern services. Consequently, effective resource management, low latency, and improved performance are essential components of data center networking that support cloud services, web apps, and other digital platforms.

## MARKET HIGHLIGHTS

Data center networking market is expected to reach USD 86 billion over the forecast period, due to the growing demand for scalable and efficient infrastructure to support the expanding domain of digital transformation. The rise in the adoption of cloud computing, IoT, and AI applications has attracted large investments in modern data center networking solutions. Important developments including the adoption of software-defined networking (SDN), intent-based networking, and the switch to high-speed technologies such as 5G, are contributing to the market growth. Additionally, the popularity of edge computing and hyper-converged infrastructure (HCI) is growing as businesses seek decentralized data processing capabilities to meet their requirements. Leading market players are prioritizing innovations such as network virtualization and automation to improve agility and reduce operational difficulties. Therefore, due to increased cybersecurity concerns, there is a growing focus on integrating strong safety precautions into data center networks, which drive investments in threat detection and prevention systems.

### Data Center Networking Market Segments:

By Component

Solution

Services

By Product

Ethernet Switches

Storage Area Network

Routers

Others

By Vertical

BFSI

IT and Telecom

Healthcare

Retail

Government

Other

## MARKET DYNAMICS

### Growth Drivers

Growing Demand for Cloud Services t%li%Provide Opportunities for Growth

Networking Technologies Will Rapidly Advance, Creating Growth Opportunities

### Restraint

Expensive Initial Investment Costs Could Limit Industry Development

### Key Players

Cisc%li%Systems, Inc.

Arista Networks, Inc.

Juniper Networks, Inc.

Hewlett Packard Enterprise (HPE)

Dell Technologies, Inc.

Broadcom Inc.

Extreme Networks, Inc.

Mellanox Technologies

VMware, Inc.

Huawei Technologies Co., Ltd.

IBM Corporation

Intel Corporation

F5 Networks, Inc.

Citrix Systems, Inc.

Fortinet, Inc.

Other Prominent Players (Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis)

Global Laboratory Temperature Control Units Market is further segmented by region into:

North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR –

United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey and Rest of Europe

Asia Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia and Rest of APAC

Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa and Rest of MENA

### Reasons to Purchase this Report

Qualitative and quantitative analysis of the market based on segmentation involving both economic as well as non-economic factors

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry with respect to recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market of various perspectives through

Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

3-month post-sales analyst support.

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