Belgium Data Center Networking - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2019 - 2030

Market Report | 2024-02-17 | 90 pages | Mordor Intelligence

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Report description:

The Belgium data center networking market reached a value of USD 156.76 million in the previous year, and it is further projected to register a CAGR of 2.12% during the forecast period.

Key Highlights
-The increasing demand for cloud computing among SMEs, government regulations for local data security, and growing investment by domestic players are some of the major factors driving the demand for data centers in the country.
-The upcoming IT load capacity of the market is expected to reach 260 MW by 2029. The country's construction of raised floor area is expected to increase more than 1.3 million sq. ft by 2029.
-The country's total number of racks to be installed is expected to reach 65,000 units by 2029. Brussels will likely house the maximum number of racks by 2029. There are close to 5 submarine cable systems connecting Belgium, and many are under construction.

Belgium Data Center Networking Market Trends

IT & Telecommunication Segment to Hold Major Share in the Market

- The strong growth of mega data centers, high penetration of 100GB switch ports, increased broadband development, increasing demand for high-speed internet, and development of internet infrastructure are positively contributing to the market growth.
- The growth is being driven by increased adoption of cloud computing technologies, digitization, virtualization, and many storage

system services. As the amount of data generated continues to increase, the need for storage and backup solutions increases. More storage arrays have equivalent storage arrays in the cloud that can be easily replicated and failed over if needed. Examples include Hewlett Packard Enterprise Cloud Volumes (Nimble) and IBM Spectrum Virtualize.
- The growth is driven by an increase in telecom subscribers and an increasing number of smartphone users to generate more information and increase demand for data center network solutions in the country.
- The increasing demand for 4G services and the continuous expansion of infrastructure to provide 5G services facilitate the use of data centers. As the amount of data generated continues to increase, the need for backup and storage solutions increases. This accommodates the increasing number of network solutions in data centers.
- The rise in artificial intelligence (AI), Internet of Things (IoT), and big data workloads is driving demand for ingenious data center network infrastructure solutions among data facilities. This allows providers to constantly innovate their network portfolio to adapt to the environment and deliver greater efficiency, scalability, and reliability.

Ethernet Switches to Hold Significant Share in the Market

- Ethernet is a midrange technology that also provides a practical solution to meet growing data center connectivity requirements. Therefore, data center expansion has increased the demand for high-bandwidth switches.
- The introduction of higher bandwidth, high performance, scalability, and virtualization in data centers contributes to the growth of the data center networking market.
- The segment is growing due to operational flexibility from 10 Mbit/s to 400 Gbit/s. For example, most residential high-speed Internet services currently reach up to around 60 Mbps for copper-based services, while fiber-optic services offer near-gigabit ethernet speeds. This tends to rapidly increase the demand for ethernet technology, further promoting the use of Ethernet switches.
- Ethernet switches are used in diverse applications in industrial infrastructure, including smart grids, surveillance and security, smart rail and transportation, and other utilities. These switches play a crucial role in the substation automation in smart grids. This is because integrating the switch into an ethernet-based network reduces the complexity and tension of cabling between power transmission and distribution devices within a substation.
- The use of ethernet switches is expected to increase due to the increased use of power over ethernet (PoE) in various applications, increased internet connectivity, development of cloud networks, and integration of home and business networks.

Belgium Data Center Networking Industry Overview

The data center industry is currently witnessing a significant shift towards fragmentation as both established vendors and new players contend with fierce competition. The rapid expansion of cloud computing has piqued the interest of fresh investors looking to capitalize on the sector's remarkable growth. Prominent figures in this market encompass Cisco Systems Inc., NVIDIA, Dell EMC, IBM Corporation, and VMware Inc.

In July 2023, Broadcom announced its plans to introduce cloud-like Ethernet switch bandwidth enhancements aimed at providing improved support for 400G connectivity in enterprise data centers.

In November 2022, VMware, Inc. unveiled its cutting-edge SD-WAN solution, which includes a new SD-WAN Client designed to assist enterprises in delivering applications, data, and services with enhanced security, reliability, and optimization.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

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