Norway Data Center Server - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2024 - 2030

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

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Report description:

The Norway data center market is projected to register a CAGR of 15.1%.

Key Highlights
-The upcoming IT load capacity of the Norway data center construction market is expected to reach 696.5 MW by 2029.
-The country's construction of raised floor area is expected to increase by 3.4 million sq. ft by 2029.
-The country's total number of racks to be installed is expected to reach 174,138 units by 2029. Oslo will likely house the maximum number of racks by 2029.
-There are close to 10 submarine cable systems connecting Norway, and many are under construction. One such submarine cable, estimated to be built by 2026, is Leif Erikson, with landing points in Kristiansand, Norway.

Norway Data Center Server Market Trends

IT and Telecom To Have Significant Market Share

- The rising number of users opting for smartphones due to the affordability and digitalization services offered by them has led to an increase in data consumption in Norway. Companies have increased their rack capacities in data centers to process these huge amounts of data.
- Additionally, the government policies to keep the data secure have restricted the companies from containing the information within the country, which has further led these companies to increase their rack capacities. The rack capacities are expected to

increase from 47082 in 2016 to 81610 in 2023 due to the urban audience adopting various smart devices such as tablets and smart wearables. The racks are further expected to increase and reach around 185625 by 2029 due to new smart cities being developed in the country.
- Teleconsultation services, which are a part of smart services in the country, are expected to grow further. During 2009-2015, teleconsultation was used by only 0.5% of the population. Post the pandemic, the number of people using teleconsultation services increased proportionally.
- For instance, Dr. Dropin, a teleconsultation company, provides its digital services in Oslo, and around 25% of the consultations are done virtually. The above-mentioned digital drive increased the demand for racks, which led to an increase in occupancy percentages from 55% in 2016 to 60% in 2022. It is further expected to reach around 65% by 2029, which is expected to increase the IT load capacity during the forecast period.

Blade Server To Have The Highest Market Share

- The type of server that's designed to be in a data center is blade servers. These servers share a common chassis or enclosure, making them thinner and more compact. Space efficiency, modularity, reduced cable fragmentation, efficient cooling, centralized management, frequency availability, and energy efficiency are some of the main features and benefits of blade servers.
- Single or multiple server blades can be inserted or removed without distressing another running system. It reduces hardware costs, which is likely to entice industry players to adopt the technology, thereby fueling market growth. Additionally, each server blade does not consist of a distinct infrastructure and chassis, owing to which the product is relatively cheaper as compared to other solutions.
- To cater to end-user needs, the top companies are focusing on blade servers in data centers. The prominent companies that manufacture blade servers in Norway include Dell (PowerEdge M Series), HPE (ProLiant BL Series), Cisco (UCS Blade Servers), and Lenovo (ThinkSystem Blade Servers), among others.
- The growing adoption of technologies such as cloud computing, artificial intelligence (AI), and IT services by businesses is propelling the use of servers in data centers. This sector is driven by the increased demand for streaming solutions and hyperscale data centers. Hyperscale computing, which is considered to be cost-effective in terms of enabling applications for large amounts of data, relies on the highly scalable server architecture and virtual networks that are becoming more and more popular.
- Oslo is the most preferred hotspot for data centers in Norway due to the numerous tax and land incentives offered. Electricity prices are lower due to the use of renewable energy. Oslo held nearly 32.3% of the market share in 2029. The region's computing power stood at 111.8 MW in 2022. The region is expected to record a CAGR of 11.83% from 122.5 MW in 2023 to 239.5 MW in 2029.
- Oslo currently has 18 data center facilities. Stack Infrastructure is the leading competitor in Oslo, and it was operating at an IT load capacity of 50 MW in 2022. Oslo, a smart city, has numerous smart initiatives such as traffic monitoring and smart lighting.
- SmartOslo is a unique grant that contributes to innovation and development within Oslo Municipality. One of the projects under this program is the collaboration between the Agency for Water and Wastewater Services and the company Soundsensing. Soundsensing is developing an IoT sound sensor to automatically identify potential problems with the pumps and valves in the water and wastewater systems. Such programs need large data processing facilities to monitor and analyze data in real time.

Norway Data Center Server Industry Overview

The Norway data center server market is moderately consolidated, with significant companies such as Dell Inc., International Business Machines (IBM) Corporation, Huawei Technologies Co. Ltd., Cisco Systems Inc. and Lenovo Group Limited.

Additional Benefits:

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

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