Canada Data Center Server - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2019 - 2030

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Report description:

The Canada data center server market reached a value of USD 3.6 billion in the previous year, and it is further projected to register a CAGR of 11.5% during the forecast period. The increasing demand for cloud computing among small and medium-sized enterprises (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.

Under Construction IT Load Capacity: The upcoming IT load capacity of the Canada data center rack market is expected to reach 1,150 MW by 2029.

Under Construction Raised Floor Space: The country's construction of raised floor area is expected to increase to 5.1 million sq. ft by 2029.

Planned Racks: The country's total number of racks to be installed is expected to reach 289,000 units by 2029. Quebec is expected to house the maximum number of racks by 2029.

Planned Submarine Cables: There are close to 16 submarine cable systems connecting Canada, and many are under construction. Google has announced plans to build the first high-speed fiber optic cable between Canada and Asia. The new submarine fiber optic cable is about the width of a garden hose and will be completed by 2023. It runs from Vancouver to Port Alberni on Vancouver Island and then through the bottom of the Pacific Ocean to Mie and Ibaraki prefectures in Japan.

Canada Data Center Server Market Trends

IT & Telecommunication Is The Largest Market In The Country

- The COVID-19 pandemic created an economic impact on companies that entered the digital transformation early, either by offering digital products and services or by leveraging digital processes, more economically than their peers that gradually embraced digital transformation.
- In the early days of the pandemic, after years of increasing adoption, public cloud adoption became mainstream. Canada's public cloud market revenues will continue to total USD 5,213.5 million, projected to increase by 46.42% from 2023 to 2027. Revenue is expected to grow to USD 16.4 billion by 2027 for the fourth year in a row. It is worth noting that the public cloud market revenue has increased steadily in recent years.
- Cloud storage in Canada is growing due to the growing demand for cost-effective data backup, storage, and protection across all businesses and the need to manage data generated by the increasing use of mobiles.
- Cloud infrastructure offers capabilities such as increased scalability and flexibility to better serve your customers with minimal downtime. Enterprises are migrating from traditional complex infrastructures to cloud infrastructures, and data center usage is expected to increase during the forecast period.

Blade Servers To Grow At A Faster Pace In Coming Years

- Blade servers are designed to save space in data centers. Various blade servers can be accommodated in a single chassis, reducing the physical footprint required for servers. Blade servers are modular, making it easier to add or replace individual servers as needed. This modularity simplifies maintenance and upgrades.
- In terms of data center infrastructure, we have identified global companies that offer cloud services and third-party providers that support those services with hyperscale data centers and blade servers to reduce operating costs. Combining blade servers and the cloud can reduce operating costs and improve efficiency. Cloud provider companies need high-bandwidth, resilient private networks and support from robust data center providers.
- Single or multiple server blades can be inserted or removed without affecting another running system. This reduces hardware costs, which may encourage industry players to adopt the technology and drive market growth. Additionally, not all server blades are built with their infrastructure and housing, making this product relatively inexpensive compared to other solutions.
- The COVID-19 pandemic affected various supply chains across many industries, including data center infrastructure. All major data center components are built, shipped, and installed off-site, indicating a weakness in the market supply chain. However, various industries are increasingly moving to the cloud, increasing the demand for data centers in the post-COVID-19 scenario.

Canada Data Center Server Industry Overview

The Canada data center server market is moderately competitive and has gained a competitive edge in recent years. In terms of market share, a few major players, such as Dell Inc., International Business Machines (IBM) Corporation, Hewlett Packard Enterprise (HPE), Lenovo Group Limited, and Cisco Systems Inc., currently dominate the market.

In August 2023, Dell, Intel, and VMware offered an updated ReadyNode infrastructure solution called vSAN 8.0 with Express Storage Architecture (ESA). This release includes performance and efficiency improvements to meet customers' evolving data center needs.

In August 2023, Hewlett Packard Enterprise announced that global IT services provider phoenixNAP is expanding its bare metal cloud platform with cloud-native HPE ProLiant RL300 Gen11 servers powered by energy-efficient processors from Ampere

Computing.

Additional Benefits:

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

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