Data Center Infrastructure Management (DCIM) - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

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Report description:

The Data Center Infrastructure Management Market size is estimated at USD 226.40 billion in 2025, and is expected to reach USD 305.41 billion by 2030, at a CAGR of 6.17% during the forecast period (2025-2030).

To effectively monitor, manage, and optimize the infrastructure and resources in a data center facility, data center infrastructure management is an integrated software and hardware solution used by IT managers and operators. DCIM encompasses various tools and technologies that help organizations plan, operate, and maintain their data center environments.

Key Highlights
- Due to the rising demand for secure IT infrastructure and reliable, efficient data center operations have become essential. As the importance of cloud computing increases, companies are turning to data centers for their IT infrastructure requirements as they connect to more interconnected devices.
- Automation and optimization make it possible to reduce operating costs, improve the efficiency of operations, and scale up. Automated tools improve the performance and efficiency of data centers and allow organizations to reduce the amount of time and effort needed for IT infrastructure management, while optimization tools enable them to gain insight into their infrastructures so that they can make informed choices.
- The increasing demand for cloud resources and data centers in terms of consumer services and business has led to the development of a large-scale public cloud data center. Factors are expected to influence the development of the DCIM market.
- Moreover, the demand for the maintenance of physical and network infrastructure in data centers is increasing as enterprises across the world move their workloads to cloud services due to data security and easy recovery benefits that come with them.
- In terms of capital expenditure and energy efficiency charges, the establishment of servers in data centers has proven to be advantageous. However, the growth of the market was hampered by the increase in costs. Increasing demand for services, in

particular, as a result of the increased number of engineers commutating to achieve better efficiency, data security problems, and difficulties arising from greater dependency on data center facilities are largely responsible for this increase.
- The demand for DCIM solutions is expected to increase in the post-COVID era as businesses rely on digital technologies. The establishment of data centers is expected to increase the demand for DCIM solutions and services, driven by the increasing use of Internet of Things technology, smart device proliferation, and a rise in digital transaction volumes.

Data Center Infrastructure Management (DCIM) Market Trends

The Healthcare Industry is Expected to Witness Growth

- The healthcare industry is growing in demand for data center infrastructure management, as it helps to improve the cost, quality, and delivery of medical services by updating hospital information centers with new business models. The HIPPA Act, the General Data Protection Regulation, and several further compulsory provisions require that healthcare professionals be held responsible for patient data. The DCIM shall monitor user access and ensure the workload infrastructure is properly installed and secured.
- Moreover, data centers are a secure hub for electronic medical records, allowing easy access to critical patient information. In order to ensure comprehensive care, health information exchange platforms further facilitate the sharing of secure data between different healthcare facilities. For example, in the last 90 days, from the fourth quarter of 2023, according to Ministero della Salute, the Italian region of Emilia-Romagna opted for electronic health records, with around 81% of the population choosing to do so.
- In addition, DCIM enables healthcare providers to keep and process vast amounts of information on patients to analyze it with insight. These analyses help to identify trends, patterns, and possible outbreaks and increase decision-making and patient outcomes.
- Connected medical devices, driven by IoT, transmit patient data for real-time monitoring. Data centers provide the infrastructure needed for managing and processing this data, enabling patients to make more informed decisions on their medical care and assisting with the effective management of pharmacies and inventory systems to ensure the availability of medicines, prevent shortages, and optimize supply chains.

North America is Expected to Witness Growth

- One of the major drivers of growth in this region is the adoption of IT infrastructure management software and services at an earlier stage. The demand for additional data center infrastructure is driven by the growth of wireless broadband, cloud computing, and big data analysis in this area.
- In North America, due to the high adoption rate of the Internet of Things and edge computing technologies that are creating massive data sets in data centers, there is an increasing demand for DCIM solutions. The market for DCIM solutions is expected to be driven by data center operators' priority of building their resources and choosing colocation services as an infrastructure management service during the forecast period.
- The region is also home to some of the world's biggest data center operators, such as Amazon, Microsoft, and Google, which have played an important role in increasing the DCIM market's share. The North American market is also driven by the growing adoption of DCIM solutions among companies across the region. Enterprises investing in DCIM solutions to improve the efficiency of their operations are becoming aware of the need for effective data center management.
- In order to reduce energy consumption and increase energy efficiency, data centers are gradually adopting DCIM systems. The North American market is expected to grow further over the coming years as demand for data centers increases and businesses

adopt DCIM solutions and energy-saving data centers.

Data Center Infrastructure Management (DCIM) Industry Overview

The competitive rivalry in the data center infrastructure management market is high and fragmented owing to some major players, such as Vertiv Group Corp, Schneider Electric SE, Johnson Controls International PLC, Eaton Corporation PLC, and IBM Corporation. Their continually innovating offerings have given them a competitive advantage over other players. They have obtained a stronger foothold in the market through strategic partnerships, R&D, and mergers and acquisitions.

- March 2024: Vertiv released a self-service online tool to help customers design and configure prefabricated modular data centers. Vertiv Modular Designer Lite is a web-based application that configures Vertiv's SmartMod and SmartMod Max prefabricated modular data centers. It is a 'user-friendly' web-based application that streamlines the module design process.
- March 2024: Schneider Electric announced a collaboration with Nvidia to optimize data center infrastructure and pave the way for groundbreaking advancements in edge artificial intelligence (AI) and digital twin technologies and, along with it, be able to leverage its expertise in data center infrastructure and NVIDIA's advanced AI technologies to introduce the first publicly available AI data center reference designs.

Additional Benefits:

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

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