

Modular Data Center Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2022-2027

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Abstracts

The global modular data center market size reached US\$ 21.3 Billion in 2021. Looking forward, IMARC Group expects the market to reach US\$ 52.4 Billion by 2027, exhibiting a growth rate (CAGR) of 16.11% during 2022-2027. Keeping in mind the uncertainties of COVID-19, we are continuously tracking and evaluating the direct as well as the indirect influence of the pandemic on different end use industries. These insights are included in the report as a major market contributor.

The modular data center is a portable data processing system with individual purpose-engineered modules and components that are assembled at the site of deployment. The individual units vary in scale, load capacity, configuration and cooling and management system. Modular data centers can be shipped, integrated or retrofitted into prefabricated data systems or combined into multiple modules. They operate independently without sharing resources and are commonly used for disaster backup, edge computing, power distribution and data center expansion. In comparison to the traditionally used data centers, they are highly scalable, energy-efficient, standardized, stable and environment-friendly. As a result, they find extensive application across various industries, such as banking, financial services and insurance (BFSI), transportation, information technology (IT), healthcare and entertainment.

Global Modular Data Center Market Trends:

Significant growth in the information technology (IT) industry across the globe is one of the key factors creating a positive outlook for the market. Moreover, the widespread adoption of cloud computing solutions across medium- and large-scale organizations is providing a thrust to the market growth. Enterprises are increasingly deploying micro modular data centers with advanced 5G cell towers for improved network connectivity

and enhanced data storage capabilities. In line with this, the advent of the work-from-home (WFH) trend due to the onset of the Covid-19 pandemic has led to the increasing demand for modular data centers for remote storage and access of organizational data. Additionally, various technological advancements, such as the development of power-efficient, compact, easy to deploy green data centers with minimal carbon footprint, are acting as other growth-inducing factors. These units can also be integrated with the Internet of Things (IoT) and automation systems for enhanced operational efficiency. Other factors, including significant improvements in the telecommunication infrastructure, along with extensive research and development (R&D) activities, are anticipated to drive the market toward growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global modular data center market report, along with forecasts at the global, regional and country level from 2022-2027. Our report has categorized the market based on component, data center size, application and industry vertical.

Breakup by Component:

Solutions

All-in-One Module

Individual Module

Services

Design and Consulting

Integration and Deployment

Support and Maintenance

Breakup by Data Center Size:

Small and Medium-sized Data Centers

Large Data Centers

Breakup by Application:

Disaster Backup

High Performance/ Edge Computing

Data Center Expansion

Starter Data Centers

Breakup by Industry Vertical:

BFSI
IT and Telecom
Retail and Manufacturing
Healthcare
Energy
Media and Entertainment
Government and Defense
Others

Breakup by Region:

North America
United States
Canada
Asia-Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being BASELAYER Technology LLC (Intermountain Electronics Inc.), Cannon Technologies Ltd, Dell Technologies Inc., Eaton Corporation plc, Hewlett Packard Enterprise Development LP, Huawei Technologies Co. Ltd., International Business Machines Corporation, Rittal GmbH & Co. KG, Schneider Electric SE and Vertiv Group Corp.

Key Questions Answered in This Report:

How has the global modular data center market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global modular data center market?

What are the key regional markets?

What is the breakup of the market based on the component?

What is the breakup of the market based on the data center size?

What is the breakup of the market based on the application?

What is the breakup of the market based on the industry vertical?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global modular data center market and who are the key players?

What is the degree of competition in the industry?

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