

# Modular Data Center Market – Growing need for energy-efficient data centers, Demand from colocation providers for modular data centers driving market growth

[Modular data centers](#) are manufactured by integrating prefabricated modules that are built inside a factory and shipped to the client site where they are assembled, deployed, and commissioned. These data centers are highly scalable and energy efficient and can be rapidly deployed to meet the clients current and near-term needs.

The global modular data center market accounted for US\$ 17.5 billion in 2019 and is anticipated to register a CAGR of 18.5%.

The report "**Global Modular Data Center Market, By Component (Solutions (All-In-One Containers and Independent Module Containers) and Services), By Data Center Size (Small, Mid-Size and Large), and By Region (North America, Europe, Asia Pacific, Latin America, and the Middle East & Africa) - Trends, Analysis and Forecast till 2029**".

## Key Highlights:

- In February 2020, Dell Technologies enabled edge computing solutions by its modular data center. Merck, a leading science and technology company, opened its M Lab Collaboration Center in Shanghai, the company's largest of nine centers worldwide, with an aim to improve and optimize drug discovery, development and manufacturing facilities.
- In January 2019, Vertiv SmartMod and SmartMod MAX were launched in EMEA. With SmartMod, Vertiv can build customized modular data centers for customers all over the world and is now able to augment that capacity with the additional benefits of standardization, cost certainty and a common user experience.

## Analyst View:

### *Increasing investment in research and development of biologics*

Modular data centers are witnessing a growing demand, owing to the increasing number of environmental protection and energy consumption regulations laid down by various governments across the world. The mobility and scalability of modular data centers are driving the market. The mobility of modular data centers enables clients to relocate their data centers, rather than demolishing them and constructing a new one at a new site. The cooling units that are used in advanced modular data centers cool more effectively than traditional computer room air conditioning units. Disaster recovery advantages significantly drive the market growth. While there are organizations that take a modular approach to their data centers for the purposes of capacity planning, there are other organizations like the large organizations that leverage modular data centers for their disaster recovery operations.

### **Key Market Insights from the report:**

The global modular data center market accounted for US\$ 17.5 billion in 2019 and is anticipated to register a CAGR of 18.5%. The market report has been segmented on the basis of component, data center size and region.

- Depending upon component, the solution segment is projected to grow at highest CAGR over the forecast period. On the basis of solution, the all-in-one containers segment is expected to register attractive growth over the forecast period in the global modular data center market.
- On the basis of data center size, the target market is segmented into small, mid-size and large data centres. Owing to the high preference, high maintenance and vast applications in several verticals, small modular data centres are expected to witness a comparatively high growth rate.
- By region, Asia Pacific is expected to grow the highest owing to the rising adoption of advanced technologies, such as IoT and edge computing. The North America modular data center market is expected to dominate the global modular data center market due to the high presence of modular data center providers as well as a strong IT and telecom industry in the region.

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### **Competitive Landscape:**

The prominent player operating in the global pharmaceutical membrane filtration technologies market includes CUPERTINO ELECTRIC INC., Dell, Delta Power Solutions, Eaton, Hewlett Packard, Enterprise Development LP, Huawei Technologies Co. Ltd., and Inspur Technologies Co.

The market provides detailed information regarding the industrial base, productivity, strengths, manufacturers, and recent trends which will help companies enlarge the businesses and promote financial growth. Furthermore, the report exhibits dynamic factors including segments, sub-segments, regional marketplaces, competition, dominant key players, and market forecasts. In addition, the market includes recent collaborations, mergers, acquisitions, and partnerships along with regulatory frameworks across different regions impacting the market trajectory. Recent technological advances and innovations influencing the global market are included in the report.

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