

Data Center Cooling Market to Surpass at a Revenue of US\$ 26.07 Billion by 2031

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/EINPresswire.com/ -- The global [data center cooling market](#) generated revenue of US\$ 1.00 billion in 2022 and is projected to attain a valuation of US\$ 26.07 billion by 2031, growing at a CAGR of 18.00% during the forecast period from 2022 to 2031.

For more information, contact astute@astuteanalytica.com or visit <https://www.astuteanalytica.com/request-sample/data-center-cooling-market>



Businesses and organizations use data centers to store and handle enormous amounts of data. Data centers are crucial elements of modern computing. Due to the rising number of data centers and the demand for energy-efficient solutions, the data center cooling market has tremendous growth potential.

There are currently 8,000 data centers worldwide, and as companies and organizations continue to adopt digital technologies, this number is certain to rise. This gives businesses in the data center cooling market a chance to create cutting-edge solutions that cater to the particular requirements of various types of data centers.

The higher data quantities brought on by the increased use of OTT and streaming services have fueled market growth. The demand for efficient cooling systems for data centers will rise due to the rising amount of data produced by online streaming services like Disney+ Hotstar, Hulu, and Netflix. There is a growing demand in the market to guarantee that providers of data center cooling have the capacity and ability to offer high-performance solutions that can operate effectively during periods of high traffic.

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The solution component segment is likely to generate the highest revenue since it comprises the many cooling technologies used in data centers, including air conditioning, chillers, cooling towers, etc. These solutions are necessary to keep data centers at the ideal temperature and

humidity levels while avoiding equipment failure.

Room-based cooling type segment generated 62.6% of the revenue share and is likely to expand at the highest CAGR during the forecast period. This is due to the rising popularity of the room-based cooling approach. The technique is well-liked since it continuously blends hot and cold air to maintain an appropriate temperature and avoid hot areas.

The IT and telecom sector is predicted to dominate the data center cooling market, given that it uses data centers the most and has the highest demand for cooling solutions. Depending on the size of the business, the IT industry requires hyperscale data centers and on-premise private data storage for its operations. The usage of cloud storage has also grown over time owing to the expansion of SaaS providers, allowing cloud storage providers to improve their capacities, which is anticipated to lead to an increase in the need for data center cooling systems.

In order to enable more effective workflow on the cloud, cloud storage providers like Microsoft, AWS, and Google are boosting their storage capacity. These businesses invest in hyperscale transactions. As a result of its new tensor processing units (TPUs) producing more heat than its prior data center cooling systems could handle in June 2022, Microsoft and Meta joined Google in employing AI to help manage their data centers.

Due to the demand for improved, high-quality cooling solutions that are more effective than the conventional air-cooling solution, the cooling system is crucial in the IT and data center sector. Additionally, the rise in demand for cooling systems among smartphone manufacturers for thermal management and the spike in technical innovation in IT infrastructure drive the market expansion.

The proliferation of cloud computing technology and the rising demand for digital services are pushing the Asia Pacific region to become a new center for data centers. Thus, the region is anticipated to present profitable potential for the data center cooling market. The Asia Pacific region has a sizable number of data centers, with China and India at the forefront. Recent studies state that India has over 163 hyperscale data centers, whereas China is home to over 443 of them. The data center market in the region is also heavily populated by other nations, including Singapore, Japan, and Australia.

The market is expanding owing to recent improvements and advances in the region. For instance, the recent opening of Singapore's first green data center, the BCA-IMDA Green Mark Platinum data center, has brought attention to the significance of running green data centers

that are sustainable and low-impact on the environment. The country has also developed several green data centers due to China's push for renewable energy sources, which is anticipated to fuel the expansion of the data center cooling market.

By 2031, it is anticipated that the Asia Pacific region's data center market will have experienced tremendous expansion. For instance, the first phase of the Dongyuemiao Data Center Project in Hubei Province, China, was completed with the help of Huawei Digital Power's infrastructure solution. Once all three phases are finished, the data center, which is situated on the Three Gorges Dam's bank, will be the largest green data center cluster in Central China. It will cover more than 100,000 square meters and have 26,400 racks. This offers a fantastic chance for providers of data center cooling to profit from the expanding need for dependable and energy-efficient data center cooling solutions in the region.

Numerous firms are striving for market dominance in the fiercely competitive data center cooling market. The market is mildly oligopolistic, with the four biggest firms holding a combined market share of close to 45%. According to Astute Analytica, Vertiv and Schneider Electric are the two leading companies, holding about 22% and 13% of the market revenue share.

For more information, visit <https://www.astuteanalytica.com/industry-report/data-center-cooling-market>

Vertiv is currently the dominant player in the global data center cooling market. Precision air conditioners, free cooling systems, and liquid cooling systems are just a few of the data center cooling options the company provides. Vertiv has been able to hold onto its dominant position in the market because of its broad product offering and robust market presence.

Schneider Electric is the second-largest company in the market. The business provides several data center cooling options, such as chilled water systems, in-row cooling systems, and room air conditioners. Due to its wide range of products and solid brand recognition, Schneider Electric has been able to hold onto a sizable portion of the market.

Other notable players in the market include:

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- Asetek Inc.
- Coolcentric
- Daikin Industries Ltd
- Green Revolution Cooling
- Iceotope
- Johnson Controls International PLC
- Liquid Cool Solutions Inc.
- LiquidStack

- Mitsubishi Electric Corporation
- Munters Group AB.
- Nortek Air Solutions
- Parker Hannifin
- Rittal GmbH & Co. KG
- Schneider Electric SE
- SPX Cooling Technologies, Inc
- STULZ GMBH
- Telx Holdings, Inc. (Digital Realty Trust, Inc.)
- Vertiv Co.
- Other Prominent Players

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- Solution
 - o Air Conditioning
 - o Chilling Units
 - o Cooling Towers
 - o Economizer Systems
 - o Liquid Cooling Systems
 - o Control Systems
 - o Others
- Services
 - o Consulting
 - o Installation & Deployment
 - o Maintenance & Support

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- Tier 1
- Tier 2
- Tier 3
- Tier 4

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- Room-based Cooling
- Row/Rack-based Cooling

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- BFSI
- IT & Telecom
- Research & Academic

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