

Data Centre Cabinet Rack Market Analysis | Global Growth at 9.1% CAGR Through 2031

*Data Centre Cabinet Rack Industry
Forecast | Market Expanding at 9.1%
CAGR by 2031*

AUSTIN, TX, UNITED STATES, November 14, 2025 /EINPresswire.com/ --
Overview of the Market:

The global data centre cabinets rack market is witnessing strong and sustained growth, driven by rapid digital transformation, cloud computing adoption, and the exponential rise in data traffic. These racks and cabinets form the physical backbone of modern data centres, providing the structural framework for servers, storage devices, and networking equipment while ensuring efficient power distribution and cooling management. As data centres evolve to accommodate artificial intelligence (AI), machine learning (ML), and high-density computing, the need for robust, scalable, and energy-efficient cabinet solutions has become increasingly critical.



Data Center Rack Market
Insights | Rapid Expansion
& Forecast 2024–2031”
DataM Intelligence

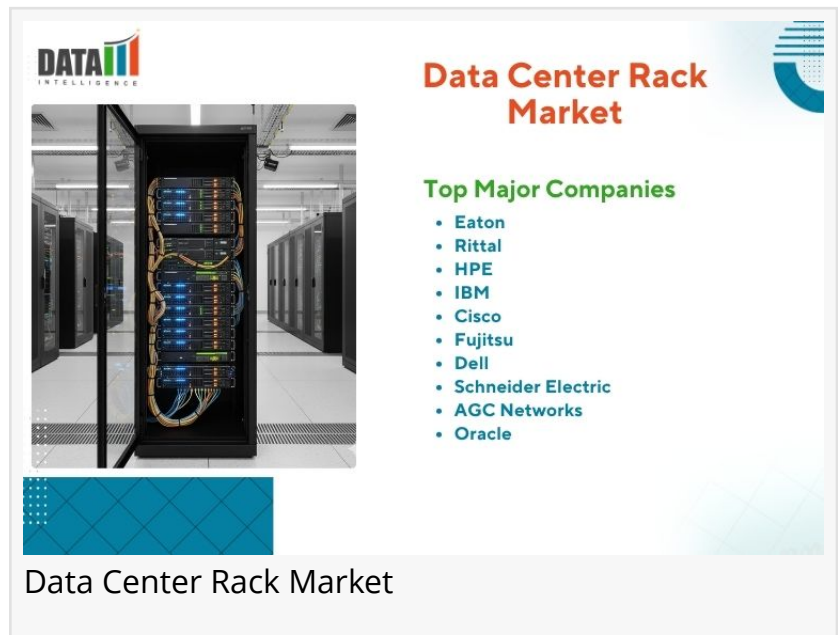
Market Size and Forecast:

According to DataM Intelligence, the global [data centre cabinet rack market](#) is projected to grow at a CAGR of about 9.1% during the forecast period (2024–2031). The

market’s expansion is being fueled by several factors, including increased demand for hyperscale and colocation facilities, rapid enterprise digitization, and the proliferation of edge data centres. The cabinet (enclosed rack) segment dominates, supported by the rising deployment of high-density server environments and advanced cooling requirements.

Recent Developments:

In 2025, leading vendors introduced AI-ready, liquid-cooling-enabled rack systems designed to



handle power densities exceeding 40 kW per cabinet, catering to hyperscale and AI workloads.

Several manufacturers launched modular and prefabricated rack systems tailored for edge data centres, enabling faster deployment and improved scalability in emerging markets.

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Key Highlights from the Report:

- The global market is forecast to reach growth at a CAGR of about 9.1%.
- The cabinet segment leads the market, driven by higher security, airflow management, and density support.
- North America dominates the global market, while Asia-Pacific is the fastest-growing regional segment.
- Demand for 42U and 48U racks is increasing as enterprises expand high-density deployments.
- Growth in edge computing and AI-ready data centres is creating new opportunities for modular rack systems.
- Rising focus on energy efficiency and sustainability is driving innovation in cooling-integrated rack designs.

Market Segmentation:

The data centre cabinets rack market is segmented by component, rack height, rack, and region.

- By Component: Solutions, Services
- By Rack: Open Frames Cabinets
- By Rack-Height: 42U & Below, 43U to 52U, 52U & Above, Others

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Key Players:

Key players operating in the data centre cabinets rack market include:

- Schneider Electric
- Vertiv Group Corp.
- Rittal GmbH & Co. KG
- Tripp Lite
- Eaton Corporation Plc
- Great Lakes Data Racks & Cabinets

- Hewlett Packard Enterprise (HPE)
- Dell Technologies

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Frequently Asked Questions (FAQs):

Q1: How big is the global data centre cabinets rack market?

Ans: The global data centre cabinets rack market is projected to grow at a CAGR of about 9.1% during the forecast period (2024–2031).

Q2: Which region is expected to dominate the data centre cabinets rack industry?

Ans: North American region holds the largest market share of the worldwide data center rack market, with the U.S. accounting for most demand.

Q3: Who are the key players operating in the data centre cabinets rack market?

Ans: Eaton, Rittal, HPE, IBM, Cisco, Fujitsu, Dell, Schneider Electric, AGC Networks, and Oracle are the prominent participants in the worldwide data center rack market.

Conclusion:

The data centre cabinets rack market represents one of the most essential pillars of the global digital infrastructure ecosystem. As enterprises accelerate cloud adoption, deploy AI workloads, and expand edge networks, demand for advanced, modular, and sustainable cabinet solutions will continue to grow. The market's evolution toward higher-density, thermally efficient, and smart racks reflects the industry's broader shift toward optimizing performance and reducing energy consumption.

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