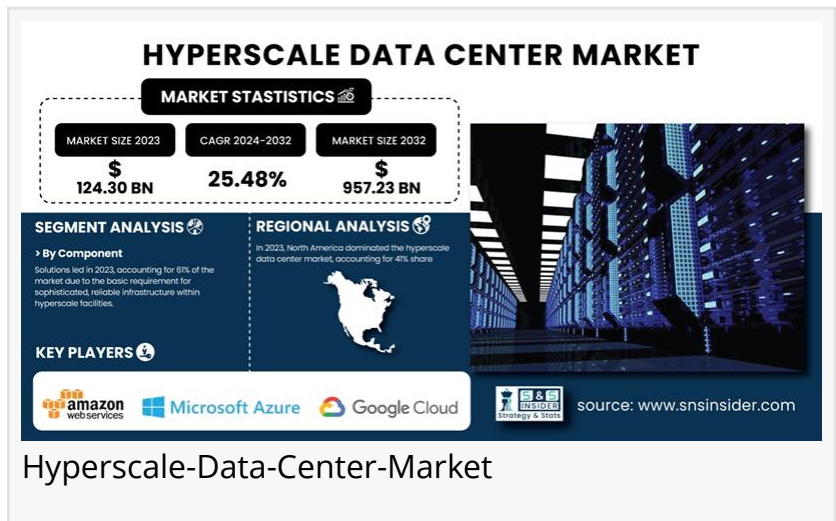


# Hyperscale Data Center Market to Reach USD 957.23 Billion by 2032 | SNS Insider

*The hyperscale data center market is growing fast, driven by cloud adoption, AI, and green initiatives, with strong demand for scalable infrastructure*

AUSTIN, TX, UNITED STATES, March 3, 2025 /EINPresswire.com/ -- The [Hyperscale Data Center Market](https://www.snsinsider.com/hyperscale-data-center-market), valued at USD 124.30 billion in 2023, is projected to reach USD 957.23 billion by 2032, growing at a 25.48% CAGR.

Expansion is fueled by rising data storage demands, government policies, and technological advancements. Countries like Japan, China, the U.S., France, and Germany are driving growth through digital infrastructure initiatives. Innovations in modular designs and cooling technologies enhance scalability and sustainability. Major cloud providers, including AWS, Microsoft Azure, and Google Cloud, are expanding hyperscale facilities. The market is further propelled by AI, green data centers, and 5G adoption, with increasing incentives for renewable-powered facilities and a growing shift towards edge computing for low-latency, high-performance operations.



Hyperscale-Data-Center-Market

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Keyplayers:

- Amazon Web Services (AWS) (Compute, Storage)
- Microsoft Azure (Virtual Machines, Storage)
- Google Cloud (BigQuery, Cloud Storage)
- IBM (Cloud Servers, Network Services)
- Facebook (Networking Equipment, Storage Solutions)
- Alibaba Cloud (Elastic Compute Service, Storage)
- Oracle (Autonomous Database, Compute Infrastructure)
- Tencent Cloud (Server Hosting, Database Services)
- Baidu (Cloud Storage, Compute Resources)
- Cisco (Data Center Switching, Security Solutions)

- HPE (Rack Servers, Storage Solutions)
- Dell Technologies (PowerEdge Servers, Data Storage)
- Huawei (Network Hardware, Storage Solutions)
- Equinix (Interconnection, Colocation Services)
- Digital Realty (Data Center Hosting, Interconnection)
- Iron Mountain (Data Center Solutions, Colocation Services)
- Rackspace Technology (Cloud Hosting, Migration Services)
- Fujitsu (Data Center Solutions, Network Services)
- Lenovo (Data Center Servers, Storage Solutions)
- Hitachi (Compute Solutions, Storage Systems)

### By Component, Solutions Segment Dominated in 2023 with 61% Market Share, Driven by Infrastructure Needs

In 2023, the solutions segment dominated the hyperscale data center market, taking 61% of the share based on the fundamental requirement for strong infrastructure. Power and cooling infrastructure were priority investment domains, supporting peak performance and availability in hyperscale centers. With growing data loads, operational stability was critical, creating ongoing demand for these systems. With rising demands for high efficiency in cooling, networking, and power management, data center operators are making significant investments in scalable architecture to enable future growth and maintain high-performance computing environments.

### By End-Use, Cloud Providers Led Hyperscale Data Center Market in 2023 with 62% Share

Cloud providers dominated the hyperscale data center market in 2023 with a 62% share, led by top players such as Amazon Web Services, Microsoft Azure, and Google Cloud. These technology giants are growing hyperscale infrastructure to meet the enormous increase in cloud-based applications and data storage. As businesses continue to embrace cloud computing for scalability, flexibility, and efficiency, hyperscale data center demand is on the increase. The industry is poised to experience more growth as companies put cloud-based solutions at the top of their digital transformation agendas.

### By Industries, IT and Telecom Dominated the Hyperscale Data Center Market by Industry

The IT and Telecom industry dominated the hyperscale data center market, propelled by the widespread embrace of cloud computing, AI, and big data analytics. Increasing demand for fast connectivity and elastic infrastructure has spurred major telecom companies and IT players to invest substantially in hyperscale facilities. It is driven by the requirement of smooth data delivery, effective storage, and network capabilities to keep pace with developing digital ecosystems.

### By Data Center Type, Hyperscale Self-Build Led the Hyperscale Data Center Market in 2023

Hyperscale self-build data centers led the market with key technology giants such as AWS, Microsoft, and Google investing in proprietary facilities. It gives complete infrastructure, security, and efficiency control while supporting growing data requirements. With growing emphasis on sustainability and next-generation cooling technologies, self-built hyperscale centers deliver tailor-made solutions with maximum performance and long-term cost advantages for cloud

providers and enterprises.

#### By Enterprise Size, Large Enterprises Led the Hyperscale Data Center Market in 2023

Large businesses dominated the hyperscale data center market because of their large data processing requirements and high-capacity computing demands. These companies value hyperscale infrastructure to enable smooth scalability, sophisticated security, and efficient cloud migration. As companies sped up digitalization and AI-enabled operations, large businesses continued to invest heavily in enhancing data center capabilities, enabling strong, high-performance environments for supporting global business and mission-critical applications.

#### By Infrastructure, Electrical Infrastructure Led the Hyperscale Data Center Market in 2023

Electrical infrastructure remained the dominant segment in the hyperscale data center market, with power distribution, backup power, and energy-efficient equipment being pivotal for seamless operation. With hyperscale data centers consuming enormous energy loads, investment in renewable power sources, high-efficiency UPS infrastructures, and advanced grid integration are on the rise. Opting for sustainable energy management and minimizing operating expenses continue to be top concerns for hyperscale operators, which makes electrical infrastructure one of the primary areas of growth.

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#### North America Led the Hyperscale Data Center Market in 2023, Asia Pacific to be the Fastest-Growing Region

North America dominated the hyperscale data center market in 2023, capturing 41% of the share, driven by strong investments from major tech firms and cloud providers. The U.S. spearheaded growth through supportive government policies, advanced data management systems, and sustainable technology initiatives. With continuous funding in hyperscale infrastructure, the region remains a key hub for cutting-edge data center advancements and large-scale cloud operations.

Asia Pacific is projected to be the fastest-growing region in the hyperscale data center market, expanding at a 26.80% CAGR from 2024 to 2032. Countries like China, Japan, and India are accelerating hyperscale adoption through aggressive digital transformation initiatives. Government policies promoting cloud infrastructure and data center expansion are fueling rapid growth. As demand for high-performance computing and AI-driven solutions rises, Asia Pacific is set to become a major hyperscale hub.

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world.

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