

U.S. Data Center Market Investment to Reach USD 208 Billion by 2030 – Exclusive Research Report by Arizton

Virginia continues to dominate hyperscale activity, attracting major players like Microsoft, AWS, and Google.

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EINPresswire.com/ -- According to Arizton's latest research report, the [U.S. data center market](#) growing at a CAGR of 6.78% during 2024-2030. The U.S. data center market is entering a phase of rapid growth, largely fueled by the rising demand for AI workloads. This

surge is prompting major expansions by hyperscale cloud providers, internet service companies, and AI-driven enterprises. Both colocation and self-built data centers are expected to grow steadily between 2025 and 2030, as the need for advanced computing infrastructure continues

to rise.

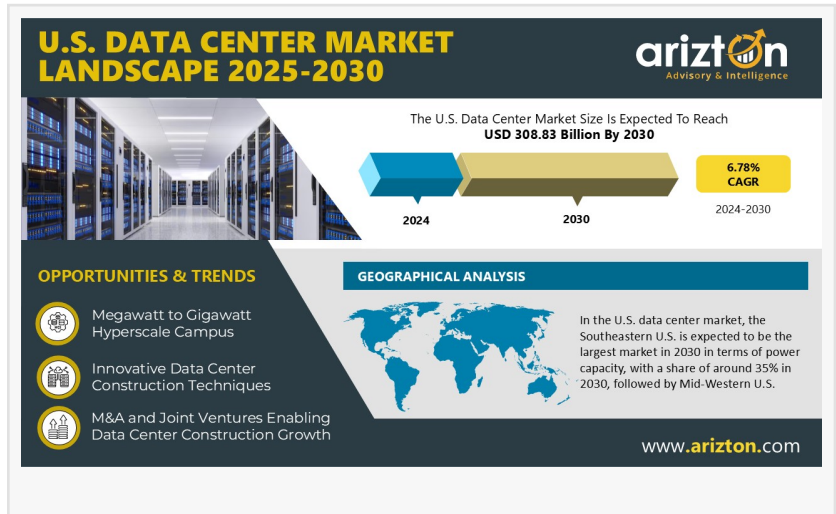
As power availability becomes a critical factor, the market is witnessing a shift from Tier 2 to Tier 3 cities areas that offer better access to the gigawatt-scale capacity needed to support large-scale campuses. In April 2025, the U.S. Department of Energy (DOE) identified 16 potential sites that could support AI-focused data center development, highlighting the growing national focus on meeting energy demands. However, power constraints remain a key challenge. Leading data center hubs, including Virginia, are not expected to see major grid expansions until 2027 or later. Many new data center projects are currently waiting for grid connections, which will play a pivotal role in

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*Rachel Turner Senior
Consultant*

shaping market growth over the next five years. The industry is also seeing increased momentum through mergers, acquisitions, and joint ventures among major players an ongoing trend that is reshaping the data center construction landscape and accelerating market



development.

[Explore the Full Arizton Market Insights:
https://www.arizton.com/market-reports/us-data-center-market-analysis](https://www.arizton.com/market-reports/us-data-center-market-analysis)



Arizton Advisory & Intelligence

Report Summary□□□□□□□□□□□□□□□□

Market Size by Investment (2030): USD
308.83 Billion

Market Size by Investment (2024): USD 208.38 Billion

CAGR By Investment (2024-2030): 6.78%

Market Size - Area (2030): 35.37 Million Square Feet

Power Capacity (2030): 8,874 MW

Historic Year: 2021-2023

Base Year: 2024

Market Segmentation: Facility Type, Infrastructure, It Infrastructure, Electrical Infrastructure, Mechanical Infrastructure, Cooling Systems, Cooling Techniques, General Construction, Tier Standard, and Geography

Largest Region by Investment: South-Eastern U.S.

Fastest Growing Region by Investment: North-Eastern U.S.

Geographical Analysis: South-Eastern U.S., South-Western U.S., Western U.S., Mid-Western U.S., And North-Eastern U.S.

AI Transforming the Landscape of the Data Center Market

Artificial Intelligence (AI) played a transformative role in the U.S. data center market in 2024, contributing to over 50% of the market's growth. The year witnessed a significant power capacity addition exceeding 4.5 GW, driven by both colocation providers and hyperscale self-built facilities. The rapid rise of AI technologies spearheaded by innovations like OpenAI's ChatGPT has elevated AI from a supportive function to a central force reshaping the data center landscape. Despite this surge, AI adoption across industries remains in its infancy; according to the U.S. Census Bureau, only 3.8% of businesses had integrated AI into production processes as of 2024. However, this figure is expected to surge dramatically over the next five years. Further accelerating this shift, OpenAI expanded its data center footprint in October 2024 through strategic collaborations with Oracle and the development of new facilities in Texas. Alongside OpenAI, hyperscale cloud service providers and GPU as a service vendor are also ramping up their infrastructure investments, signalling a robust and AI-driven evolution of the data center market.

Recent developments

- In September 2024, Google announced the signing of PPAs to acquire solar energy in Nebraska and Texas, with the carbon removal deal in Brazil. In collaboration with the Omaha Public Power

District, Google secured an agreement with NextEra Energy to source carbon-free energy from the 420MW Pierce County Energy Center in Nebraska, set to become operational in 2027.

- In FY 2025, Microsoft is expected to spend \$80 billion to build out AI data centers to run AI training models as well as its cloud operators worldwide.
- In March 2025, Crypto and AI data center company IREN announced its plans to develop a 75 MW AI data center in Texas. They are planning to deploy a new 75 MW liquid-cooling data center for AI/High-performance computing at its Childress site in Texas. It will be designed to support 200 kW per rack via direct-to-chip cooling for NVIDIA's Blackwell GPUs.

Mergers and Joint Ventures Drive U.S. Data Center Growth

The U.S. data center market is growing rapidly, supported by an increase in mergers, acquisitions (M&A), and joint ventures (JVs). These strategic moves are helping companies expand their capacity and keep up with the rising demand for digital infrastructure. As part of this trend, Langan Engineering & Environmental Services recently acquired Navix Engineering, a civil engineering firm with experience in data center projects across many U.S. states. In another development, IQ Fiber, a Florida-based internet provider, acquired ThinkBig Networks LLC, with support from equity funding by SDC Capital Partners, strengthening its fiber network reach. Additionally, TECfusions secured a \$300 million loan to expand its data center in Clarksville, Virginia. With \$160 million already allocated, the funding will help complete the first phase of the project, increasing the facility's power capacity to 37.5MW. These partnerships and investments reflect the industry's focus on building scalable, high-performance data centers to support the growing needs of businesses and technology platforms.

Regional Insights Shaping the Future of U.S. Data Centers

The U.S. data center market is witnessing dynamic growth across various regions, each contributing uniquely to the industry's expansion. The Southeastern U.S. is projected to lead in power capacity by 2030, driven by increasing investments and infrastructure development. Virginia continues to dominate hyperscale activity, attracting major players like Microsoft, AWS, and Google. In the Midwest, states such as Illinois, Iowa, and Ohio are leveraging tax incentives to boost data center investments. Meanwhile, Texas and Arizona stand out in the Southwest, accounting for the majority of regional investments, with growing interest from colocation, hyperscale, and bitcoin operators. The Western region is also seeing strong momentum, especially in Oregon, California, and Utah, fueled by hyperscale developments. Additionally, the New York-New Jersey area remains a critical data center hub, with high demand and low vacancy rates reinforcing its role in the nation's digital infrastructure.

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The U.S. Data Center Market Research Report Includes Size, Share, and Growth in Terms of

- Facility Type: Hyperscale Data Centers, Colocation Data Centers, and Enterprise Data Centers
- Infrastructure: IT Infrastructure, Electrical Infrastructure, Mechanical Infrastructure, and General Construction
- IT Infrastructure: Server Infrastructure, Storage Infrastructure, and Network Infrastructure

- Electrical Infrastructure: UPS Systems, Generators, Transfer Switches & Switchgear, Power Distribution Units, and Other Electrical Infrastructure
- Mechanical Infrastructure: Cooling Systems, Racks, and Other Mechanical Infrastructure
- Cooling Systems: CRAC & CRAH Units, Chiller Units, Cooling Towers, Condensers & Dry Coolers, and Other Cooling Units
- Cooling Techniques: Air-based and Liquid-based
- General Construction: Core & Shell Development, Installation & Commissioning Services, Engineering & Building Design, Physical Security, Fire Detection & Suppression, and DCIM/BMS
- Tier Standard: Tier I & II, Tier III, and Tier IV
- Geography: South-Eastern U.S., South-Western U.S., Western U.S., Mid-Western U.S., and North-Eastern U.S.

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Key Questions Answered in the Report:

How big is the U.S. data center market?

What is the growth rate of the U.S. data center market?

What is the estimated market size in terms of area in the U.S. data center market by 2030?

What are the key trends in the U.S. data center market?

How many MW of power capacity is expected to reach the U.S. data center market by 2030?

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