

Data Center

Globally, I.T. data center spending is expected to reach \$222 billion in 2023, from \$212 billion in 2022 and \$216 billion in 2021. (Techjury)

The largest segment of the data center market is Network Infrastructure, with a forecasted market value of \$203.40 billion in 2023. (Statista)

Asia

1. Singapore is the largest data center market in the Asia-Pacific region, tying with Silicon Valley as second globally. The second largest market in Hong Kong, with an overall standing of 6th globally. Seoul and Tokyo are the 4th and 5th largest colocation center markets in the Asia-Pacific region. (Cushman & Wakefield)
2. Singapore accounts for 60% of Southeast Asia's data center supply. (Mordor Intelligence)
3. Data centers used 7% of the total energy of the country of Singapore in 2022, rising to 12% by 2030. (Mordor Intelligence)
4. Datacenter occupancy rates averaged 60% to 70% in Southeast Asia in 2022. Singapore has the highest occupancy at over 85% (ResearchandMarkets)
5. Singapore was the most power-constrained data center market globally, with less than 4 MW of available capacity and a vacancy rate of 2%. (CBRE)
6. Data center investment in the Asia Pacific region doubled between 2020 and 2021 to \$4.8 billion. (CBRE)
7. The hyperscale data center market will grow from \$4 billion to \$10 billion in annual revenue between 2020 and 2027, with a yearly growth rate of 18%. (Graphical Research)
8. China Telecom Data Center is the largest data center in the world, with over 10.7 million square feet in space. (Edu Dwar)
9. China is also home to the second largest data center in the world, with China Mobile's 7,750,015 square foot data center comprising over 40,000 data center racks in Hohhot. (Ranked.com)
10. India's largest data center is the Tulip Data Center Services facility in Bengaluru. It houses 12,000 data center racks and boasts 100 MW of power. It is also the most energy-efficient data center in India. (Ranked.com)
11. Japan is the 8th largest data center market globally, with 212 data centers. (Cloudscene)

12.Data center revenue in Japan will reach \$18.18 billion in 2023. (Statista)

AI Data Center Statistics

Nvidia projects that \$1 trillion will be spent on data center upgrades for AI with most of the cost paid by Amazon, Microsoft, Google, and Meta. (Business Insider)

About 20% of global data center capacity is being used for AI. (Wall Street Journal)

AI data center server infrastructure spend plus operating expenses are projected to reach \$76 billion by 2028. (Forbes)

AI will shift data center rack power capacities up to 50 kW – 100 kW, up from less than 10 kW in 2023. This will require a shift from air cooling to liquid cooling. (SDXCentral)

AI and advanced robotics will increase data center efficiency 30% by 2025 (EY.com)

In May 2021, the number of data centers in the US reached 2,600.

The average data center size is 100,000 square feet of space.

In 2016, the federal data center number equaled 10,000.

pCloud is on the top of the largest data storage companies with a revenue of \$9.1 million.

Equinix is one of the top data center companies with a network of 202 data centers, serving 24 countries around the world.

There are around 3 million data centers in the US.

There are nearly 8,000 data centers globally as of January 2021. 130 countries together hold 4,903 indexed colocation data centers.

The countries that have the most data centers in 2022 are the US, Germany, UK, China, and Canada. The top data storage concern is data security (76%).

Data Center Infrastructure

The global modular data center market size is projected to reach \$65.55 billion by 2027. Google server room has up to 900,000 servers. 13. Facebook owns and operates 18 data center campuses globally.

Data Centre Market

In 2021, there were 7.2 million data centers around the world. The data center services market was valued at \$48.9 billion in 2020.

Facebook owns and operates 18 data center campuses globally The IT spending on data center systems globally reached \$237 billion in 2021..

Data Center Trends

Future data center trends show that by 2025, more than 75% of all enterprise-generated data will be processed and created outside of the traditional or cloud data centers.

Data center growth projections show that by the end of 2022, about 10% of the IT organizations from the whole world will go serverless.