

Taiwan Data Center - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2024 - 2029)

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Abstracts

The Taiwan Data Center Market size is estimated at 213.8 MW in 2024, and is expected to reach 304.2 MW by 2029, growing at a CAGR of 7.31%. Further, the market is expected to generate colocation revenue of USD 226.2 Million in 2024 and is projected to reach USD 346 Million by 2029, growing at a CAGR of 8.88% during the forecast period (2024-2029).

Tier 3 data center holds majority market share in 2023, Tier 4 data center is fastest growing

The tier 3 data center facilities in the Taiwanese market reached an IT load capacity of 151.35 MW in 2022. It is expected to register a CAGR of 4.45% and reach 205.35 MW by 2029. Tier 4 data center facilities in the Taiwanese market reached an IT load capacity of 23.59 MW in 2022 and are expected to register a CAGR of 23.20% to reach a capacity of 101.65 MW by 2029.

A significant growth rate is anticipated for tier 3 and tier 4 data centers. With an uptime of 99.98% and N+1 redundancies, tier 3 data centers account for the highest market share. In an effort to establish their respective nations as important digital centers, governments in Taiwan and other countries are also implementing initiatives and measures to draw IT-based investments into their respective nations. The Smart City program is being utilized by the government as part of its roadmap for digital transformation. These projects' fundamental tenets include the requirement for data center modernization as well as the outsourcing of edge data centers to a third party for latency-sensitive applications. These factors are helping the tier 3 segment of the

Taiwanese data center market to expand.

Over the coming years, tier 4 data centers will experience tremendous growth. This is because there are more companies offering cloud-based services, which has led to more companies building facilities to offer colocation space with the latest technological advancements.

Taiwan Data Center Market Trends

Increasing smartphone apps across end users and subsequent adoption of 5G smartphone devices leads to demand for data center

The total number of smartphone users in the country was 21.34 million in 2022, which is expected to witness a CAGR of 0.6% during the forecast period to reach 22.61 million by 2029.

It is estimated that by 2027, more than 90% of the Taiwanese population will use smartphones, thus increasing the number of smartphone users in the country.

In 2022, the smartphone penetration rate in Taiwan was around 89.3%, and the share was expected to grow up to 93.7% by 2027.

Infrastructural developments and increase in 5G stations is leading to demand for data center with increase in data traffic

The 2G and 3G data were shut off in 2018 and 2019 and had a stagnant growth during the forecast period. The 4G mobile data speed in the country was 34.9 Mbps in 2022, which is expected to witness a CAGR of 8.54% during the forecast period to reach 62 Mbps by 2029. The 5G mobile data speed in the country was 289.25 Mbps in 2022, which is expected to witness a CAGR of 14.80% during the forecast period to reach 662.0 Mbps by 2029.

The adoption of these 5G services is projected to be accelerated by the rising need for high-speed data access for cloud and IoT applications, such as smart home energy management. However, as 5G networks offer faster speeds, higher capacity, and lower

latency than 4G LTE networks, the number of 5G subscribers is growing at a quicker rate. In Taiwan, the total number of 5G customers has surpassed 1 million in the five months after the introduction of the technology. By the end of 2021, 5G penetration increased to over 30%.

To support telecommunications operators, the Taiwanese government allocated USD 650 million, which was distributed between 2019 and 2022, to subsidize the installation of 5G in the country.

Taiwan Data Center Industry Overview

The Taiwan Data Center Market is moderately consolidated, with the top five companies occupying 60.48%. The major players in this market are Chief Telecom Inc., Chunghwa Telecom Co.,Ltd., Far EasTone Telecommunications Co., Ltd., Taiwan Mobile Co., Ltd. and Telstra Corporation Limited (sorted alphabetically).

Additional Benefits:

The market estimate (ME) sheet in Excel format

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