

Taiwan Data Center Market - Investment Analysis & Growth Opportunities 2024-2029

Market Report | 2024-05-16 | 115 pages | Arizton Advisory & Intelligence

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Report description:

The Taiwan data center market by investments is expected to grow at a CAGR of 15.26% from 2023-2029.

KEY HIGHLIGHTS

- Taipei is the hub for data center development and foreign investments in the Taiwan data center market. Other cities are also expected to grow in the coming years. For instance, in March 2024, Vantage Data Center announced receiving over USD 64 million in loans from Taiwanese banks to construct its first facility, TPE11, in Taipei.
- The Taiwanese government launched digitalization initiatives and other projects to attract foreign market investments. For instance, according to Taiwan government FDI statistics, from January to December 2023, Taiwan recorded 568 outbound investment projects (excluding Mainland China), totaling USD 23.58 billion. This reflects a 4.03% rise in project numbers and a 136.67% increase in investment amount compared to the same period in 2022.
- The Taiwanese government is taking initiatives to increase the country's power availability and reliability. For instance, it set up a target for producing around 20% of electricity from renewable sources, 30% from coal, and 50% from gas by 2025 under its 20-30-50 plan. The government plans to generate around 60%-70% of electricity from renewable energy sources by 2050.
- NTT DATA, Acer Edc, Taiwan Mobile, Far EasTone Telecommunications, Chunghwa Telecom, Chief Telecom, and Chunghwa Telecom are prominent colocation providers in the Taiwan data center industry. Local operators lead the market, but global operators are expected to increase their investments and activity during the forecast period.

WHY SHOULD YOU BUY THIS RESEARCH?

- Market size regarding investment, area, power capacity, and Taiwan colocation market revenue is available.
- An assessment of the data center investment in Taiwan by colocation, hyperscale, and enterprise operators.
- Investments in the area (square feet) and power capacity (MW) across cities in the country.
- A detailed study of the existing Taiwan data center market landscape, an in-depth market analysis, and insightful predictions about market size during the forecast period.

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-□Snapshot of existing and upcoming third-party data center facilities in Taiwan

I.□Facilities Covered (Existing): 15

II.□Facilities Identified (Upcoming): 05

III.□Coverage: 6+ Cities

IV.□Existing vs. Upcoming (Area)

V.□Existing vs. Upcoming (IT Load Capacity)

-□Data Center Colocation Market in Taiwan

I.□Colocation Market Revenue & Forecast (2023-2029)

II.□Retail vs Wholesale Colocation Revenue

III.□Retail & Wholesale Colocation Pricing

-□The Taiwan data center market investments are classified into IT, power, cooling, and general construction services with sizing and forecast.

-□A comprehensive analysis of the latest trends, growth rate, potential opportunities, growth restraints, and prospects for the industry.

-□Business overview and product offerings of prominent IT infrastructure providers, construction contractors, support infrastructure providers, and investors operating in the industry.

-□A transparent research methodology and the analysis of the demand and supply aspects of the industry.

VENDOR LANDSCAPE

-□The Taiwan data center market for IT infrastructure is dominated by global vendors such as Lenovo, IBM, Fujitsu, Hewlett Packard Enterprise, Dell Technologies, Cisco Systems, Broadcom, and others, which has resulted in the high availability of efficient and advanced infrastructure in the market.

-□Regarding support infrastructure, multiple global vendors have a presence in the market and have been offering their products and services to data centers for several years. Some major Taiwan data center vendors include Eaton, Cummins, Caterpillar, ABB, Airedale, Legrand, and others.

-□In terms of construction contractors, the market has local and global contractors who have been providing their services for multiple data center projects over the years. For instance, DLB Associates has provided its services to Google data centers in the country.

IT Infrastructure Providers

-□Atos

-□Broadcom

-□Cisco Systems

-□Dell Technologies

-□Extreme Networks

-□Fujitsu

-□Hitachi Vantara

-□Hewlett Packard Enterprise (HPE)

-□IBM

-□Juniper Networks

-□Lenovo

-□MiTAC Holdings

-□NetApp

-□Pure Storage

-□Quanta Cloud Technology

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- []Super Micro Computer
- []Wiwynn

Data Center Construction Contractors & Sub-Contractors

- []AECOM
- []CTCI
- []Data Knit
- []DLB Associates
- []MAA Group
- []M+W Group
- []Pacific Engineers and Constructors (PECL)

Support Infrastructure Providers

- []ABB
- []Airedale
- []Alfa Laval
- []ATEN
- []Caterpillar
- []Cummins
- []Delta Electronics
- []EAE
- []Eaton
- []Green Revolution Cooling (GRC)
- []HITEC Power Protection
- []Johnson Controls
- []Legrand
- []Mitsubishi Electric
- []Rittal
- []Schneider Electric
- []Socomec
- []Siemens
- []STULZ
- []TECO Electric & Machinery
- []Trane
- []Vertiv

Data Center Investors

- []Acer e-Enabling Data Center
- []Chief Telecom
- []Chunghwa Telecom
- []Far EasTone Telecommunications
- []NTT Communications
- []Taiwan Mobile

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New Entrants

- Empyrion DC
- SC Zeus Data Centers
- Vantage Data Centers

EXISTING VS. UPCOMING DATA CENTERS

- Existing Facilities in the Region (Area and Power Capacity)
 - o□Taipei
 - o□Other Cities
- List of Upcoming Facilities in the Region (Area and Power Capacity)
 - o□Taipei
 - o□Other Cities

REPORT COVERAGE:

This report analyses the Taiwan data center market share. It elaboratively analyses the existing and upcoming facilities and investments in IT, electrical, mechanical infrastructure, general construction, and tier standards. It discusses market sizing and investment estimation for different segments. The segmentation includes:

- IT Infrastructure
 - o□Servers
 - o□Storage Systems
 - o□Network Infrastructure
- Electrical Infrastructure
 - o□UPS Systems
 - o□Generators
 - o□Transfer Switches & Switchgears
 - o□PDUs
 - o□Other Electrical Infrastructure
- Mechanical Infrastructure
 - o□Cooling Systems
 - o□Rack Cabinets
 - o□Other Mechanical Infrastructure
- Cooling Systems
 - o□CRAC & CRAH Units
 - o□Chiller Units
 - o□Cooling Towers, Condensers & Dry Coolers
 - o□Economizers & Evaporative Coolers
 - o□Other Cooling Units
- General Construction
 - o□Core & Shell Development
 - o□Installation & Commissioning Services
 - o□Engineering & Building Design
 - o□Fire Detection & Suppression Systems
 - o□Physical Security

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- o Data Center Infrastructure Management (DCIM)
- Tier Standard
- o Tier I & Tier II
- o Tier III
- o Tier IV

KEY QUESTIONS ANSWERED:

1. How many existing and upcoming data center facilities exist in Taiwan?
2. How big is the Taiwan data center market?
3. What is the growth rate of the Taiwan data center market?
4. What factors are driving the Taiwan data center industry?
5. How much MW of power capacity will be added across Taiwan during 2024-2029?
6. Who are the key investors in the Taiwan data center market?

Table of Contents:

1. Existing & Upcoming Third-Party Data Centers In Taiwan
 - 1.1. Historical Market Scenario
 - 1.2. 15+ Unique Data Center Properties
 - 1.3. Data Center IT Load Capacity
 - 1.4. Data Center White Floor Area Space
 - 1.5. Existing vs. Upcoming Data Center Capacity by Cities
 - 1.6. Cities Covered
 - 1.6.1. Taipei
 - 1.6.2. Other Cities
 - 1.7. List of Upcoming Data Center Projects
2. Investment Opportunities in Taiwan
 - 2.1. Microeconomic and Macroeconomic Factors of the Taiwan Market
 - 2.2. Investment Opportunities in Taiwan
 - 2.3. Investment by Area
 - 2.4. Investment by Power Capacity
3. Data Center Colocation Market In Taiwan
 - 3.1. Colocation Services Market in Taiwan
 - 3.2. Retail vs Wholesale Data Center Colocation
 - 3.3. Colocation Pricing (Quarter Rack, Half Rack, Full Rack) & Add-ons
4. Market Dynamics
 - 4.1. Market Drivers
 - 4.2. Market Trends
 - 4.3. Market Restraints
5. Market Segmentation
 - 5.1. IT Infrastructure: Market Size & Forecast
 - 5.2. Electrical Infrastructure: Market Size & Forecast
 - 5.3. Mechanical Infrastructure: Market Size & Forecast

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- 5.4.□Breakup of Construction Cost
- 5.5.□General Construction Services: Market Size & Forecast

6.□Tier Standard Investment

- 6.1.□Tier I & II
- 6.2.□Tier III
- 6.3.□Tier IV

7.□Key Market Participants

- 7.1.□IT Infrastructure Providers
- 7.2.□Construction Contractors
- 7.3.□Support Infrastructure Providers
- 7.4.□Data Center Investors
- 7.5.□New Entrants

8.□Appendix

- 8.1.□Market Derivation
- 8.2.□Quantitative Summary

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