

Internet Data Center Market In China - Investment Analysis & Growth Opportunities 2024-2029

Market Report | 2024-08-06 | 153 pages | Arizton Advisory & Intelligence

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Report description:

China's Internet data center market by investments is expected to grow at a CAGR of 12.17% from 2023 to 2029.

KEY HIGHLIGHTS

- China's government has approved around ten national data center clusters. The National Development and Reform Commission (NDRC) and other Chinese authorities have also announced plans to build computing centers in several provinces and develop data center clusters.
- As part of its East-to-West plan, the Chinese government aims to transfer data from the eastern part of the country to the western part to develop the data center market in the western region.
- China is a relatively inexpensive market for developing a data center facility compared to other countries. As of 2023, the cost of building a data center ranges between USD 7 million and USD 9 million per MW, projecting a YoY growth of between 3% and 5%.
- China has over 20 operational submarine cables. Five upcoming ones are expected to be deployed during 2024-2025. The Southeast Asia-Japan Cable 2 (SJC2) is the longest cable coming up, spanning about 6,524 miles, connecting China with Japan, Singapore, South Korea, Taiwan, Thailand, and Vietnam.
- China Unicom, China Telecom, and China Mobile, among others, are among the top and the largest colocation data center operators in China's Internet data center market and are developing data centers across the country with over 1,500 MW power capacity.
- Key big data and IoT players in China include- Alibaba Group, Tencent, Huawei Technologies, HCL Technologies, Fugumobile, ThunderSoft, Xiaomi Group, Lenovo Group, iSoftStone Smart Technology, ZTE Corporation, and many others.

WHY SHOULD YOU BUY THIS RESEARCH?

- Market size is available regarding investment, area, power capacity, and China's colocation market revenue.

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- []An assessment of the data center investment in China by colocation, hyperscale, and enterprise operators.
- []Investments in the area (square feet) and power capacity (MW) across regions in the country.
- []This report details a detailed study of the existing China Internet data center market landscape, an in-depth industry analysis, and insightful predictions about the Internet data center market in China's size during the forecast period.
- []The Internet data center market in China's landscape investments are classified into IT, power, cooling, and general construction services with sizing and forecast.
- []This comprehensively analyzes the latest trends, growth rates, potential opportunities, growth restraints, and market prospects.
- []Provide a business overview and product offerings of prominent IT infrastructure providers, construction contractors, support infrastructure providers, and investors operating in the market.
- []A transparent research methodology and the analysis of the demand and supply aspects of the market.

VENDOR LANDSCAPE

- []Some of the key colocation investors in the Internet data center market in China in 2023 are China Telecom, China Mobile, China Unicom, Chayora, GDS Services, Chindata Group, Dr. Peng's Telecom and Media Group, Shanghai Atrium (athub), China International Capital Corporation (CICC), VNET Group, Kehua Data, Sinnet, among others.
- []In 2023, Chindata Group declared its desire to transform into a privately held firm via a revamped and enhanced arrangement worth USD 3.16 billion. This game-changing decision is the result of coordinated talks with Bain Capital. China Merchants Group also expressed interest in the Chinese data center operator.
- []In 2023, Tencent Holdings is steadily progressing toward constructing China's largest data center. According to Wang Zhixin, deputy director of the Yangtze River Delta Artificial Intelligence Advanced Computing Centre, a collaborative endeavor between Tencent Holdings and Shanghai's Songjiang district, four buildings have already been completed.
- []Amazon Web Services, Alibaba Cloud, Microsoft, Tencent Cloud, and Huawei Cloud are the cloud operators with their own dedicated cloud regions in China, with multiple availability zones in cities like Beijing, Shanghai, Nanjing, and others.

IT Infrastructure Providers

- []Cisco Systems
- []Dell Technologies
- []Hewlett Packard Enterprise
- []Huawei Technologies
- []IBM
- []Inspur
- []Lenovo
- []Pure Storage
- []Quanta Cloud Technology
- []Wistron Corporation

Data Center Construction Contractors & Sub-Contractors

- []AECOM
- []ATS Global
- []Aurecon
- []China State Construction
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- Legrand
- Mitsubishi Electric
- Pillar Power Systems
- Rittal
- Rolls-Royce
- Schneider Electric
- Shenzhen KSTAR Science and Technology
- STULZ
- Vertiv

Data Center Investors

- Alibaba Group
- Chayora
- China Mobile
- China International Capital Corporation (CICC)
- China Telecom
- China Unicom
- Chindata Group
- Dr. Peng's Telecom & Media Group
- EdgeConneX
- GDS Services
- Haoyun Changsheng (Hotwon)
- KEHUA Data
- Keppel Data Centres
- Shanghai Atrium (athub)
- Sinnet
- Tencent
- VNET Group

REPORT COVERAGE:

This report analyses the Internet data center market in China 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:

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- PDUs
- Other Electrical Infrastructure
- Mechanical Infrastructure
- Cooling Systems
- Rack Cabinets
- Other Mechanical Infrastructure
- Cooling Systems
- CRAC and CRAH
- Chillers
- Cooling Tower and Dry Coolers
- Economizers & Evaporative Coolers
- Other Cooling Units
- General Construction
- Core & Shell Development
- Installation & commissioning Services
- Building & Engineering Design
- Fire Detection & Suppression Systems
- Physical Security
- DCIM
- Tier Standard
- Tier I & Tier II
- Tier III
- Tier IV
- Geography
- East
- West
- North
- South

TARGET AUDIENCE

- Real Estate Investment Trusts
- Construction Contractors
- Infrastructure Providers
- New Entrants
- Consultants/Consultancies/Advisory Firms
- Corporate and Government Agencies

KEY QUESTIONS ANSWERED:

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- 1.□How big is the China Internet data center market?
- 2.□What is the growth rate of the Internet data center market in China?
- 3.□How much MW of power capacity will be added across China during 2024-2029?
- 4.□What factors are driving the Internet data center market in China?

Table of Contents:

- 1.□Upcoming Third-Party Data Centers in China
 - 1.1.□Historical Market Scenario
- 2.□Investment Opportunities in China
 - 2.1.□Microeconomic and Macroeconomic Factors for China
 - 2.2.□Investment Opportunities in China
 - 2.3.□Investment by Area
 - 2.4.□Investment by Power Capacity
- 3.□Investment by Facility Type
 - 3.1.□Investment by Facility Type
 - 3.2.□Facility Type Investment by Area
 - 3.3.□Facility Type Investment by Power Capacity
 - 3.4.□Demand Across Several Industries in China
- 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
 - 5.4.□General Construction Services: Market Size & Forecast
 - 5.5.□Computer Room Design Specifications in China
- 6.□Tier Standards Investment
 - 6.1.□Tier I & II
 - 6.2.□Tier III
 - 6.3.□Tier IV
- 7.□Geography Segmentation
 - 7.1.□East
 - 7.2.□West
 - 7.3.□North
 - 7.4.□South
- 8.□Key Market Participants
 - 8.1.□IT Infrastructure Providers
 - 8.2.□Construction Contractors
 - 8.3.□Support Infrastructure Providers
 - 8.4.□Data Center Investors
- 9.□Appendix
 - 9.1.□Market Derivation
 - 9.2.□Site Selection Criteria
 - 9.3.□Quantitative Summary

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