

## **Singapore Data Center - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2017 - 2029**

Market Report | 2024-02-17 | 197 pages | Mordor Intelligence

### **AVAILABLE LICENSES:**

- Single User License \$4750.00
- Team License (1-7 Users) \$5250.00
- Site License \$6500.00
- Corporate License \$8750.00

### **Report description:**

The Singapore Data Center Market size is estimated at 0.88 Thousand MW in 2024, and is expected to reach 1.02 Thousand MW by 2029, growing at a CAGR of 3% during the forecast period (2024-2029).

#### Key Highlights

- IT Load Capacity: The IT load capacity of the data center market will grow steadily and is expected to reach 1,016 MW by 2029.
- Raised Floor Space: The total raised floor space in the country is expected to reach 3.3 million sq. ft by 2029.
- Instaowever, its share may decrease marginally to 61.4% in 2029 due to the upcoming tier 4 data centers.
- The tier 3 segment is expected to record a CAGR of 0.43% during the forecast period, majorly due to the upcoming data centers from Keppel Data Center and STT GDC Pte Ltd, which plan to launch three facilities with a cumulative IT load capacity of 90 MW.
- The tier 1 & 2 segment is expected to record a CAGR of 1.88% during the forecast period, with a market share of 12.1% by 2029. The growth trend is majorly due to the upcoming data centers from NTT Ltd, which plans to launch one facility with an IT load capacity of 5 MW.
- Both the tier 1 & 2 and tier 3 segments may witness a dip in their market share due to the growth of the tier 4 segment, with a CAGR of 12.69% and an IT load capacity of 269.65 MW during the forecast period.
- In Singapore, 7% of total electricity consumption goes to data centers, which may grow to more than 12% by 2030. As a result, the country aims to efficiently use data centers by equipping them with modern infrastructure and cooling techniques. Operators are considering investing in more efficient cooling solutions, such as district cooling, and greener options for powering data centers, such as engaging in Power Purchase Agreements (PPAs). Tier 4-certified facilities may help operators achieve these standards, thus boosting the segment's growth.

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

## Singapore Data Center Market Trends

Growing application of connected devices and smart homes to boost the market demand

- The country has a smaller population compared to other Southeast Asian countries, owing to which the number of smartphone users is comparatively lesser than the rest.
- The country is expected to grow significantly and reach 6.21 million users by 2029, from 5.4 million users in 2022.
- According to Hootsuite, the country has a 100% urbanized population with 8.7 million cellular mobile connections, accounting for 147% of the population. This data suggests that each citizen in the country owns more than one cellular device. The growing application of connected devices and smart homes also boosted the demand for digital data and increased network traffic. Such factors are anticipated to increase the number of smartphone users in the country.

Singtel's expanding 5G network in partnership with Ericsson boost the data center demand

- Singapore was one of the early adopters of the 5G network in 2020, while the presence of 2G was decommissioned as early as 2016. As of 2022, 4G dominated the market with 49.7 Mbps, while its speed is expected to reach 54.75 Mbps by 2029.
- The country's 5G network is booming and is expected to reach 946.04 Mbps by 2029. 5G networks and services are expected to form the backbone of growth in the telecom sector over the coming years as service providers seek new ways to engage customers in a market that is otherwise already saturated.
- Singtel is ramping up its 5G standalone (SA) deployment in Singapore by expanding the network and developing new 5G use cases in partnership with Ericsson. In a press release, the Swedish vendor stated its plans to power Singtel's 5G SA network with 5G radio access products and cloud-native dual-mode 5G Core network solutions. In September 2021, Singtel confirmed that its 5G network covers over two-thirds of Singapore. New 5G sites were added in densely populated areas like Choa Chu Kang, Punggol, Sembawang, and Tampines.

## Singapore Data Center Industry Overview

The Singapore Data Center Market is fragmented, with the top five companies occupying 29.81%. The major players in this market are China Mobile International Ltd., Cyxtera Technologies, Digital Realty Trust, Inc., Equinix, Inc. and Rackspace Technology Inc. (sorted alphabetically).

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

### Table of Contents:

#### 1 EXECUTIVE SUMMARY & KEY FINDINGS

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

## 2 REPORT OFFERS

## 3 INTRODUCTION

### 3.1 Study Assumptions & Market Definition

### 3.2 Scope of the Study?

### 3.3 Research Methodology

## 4 MARKET OUTLOOK

### 4.1 IT Load Capacity

### 4.2 Raised Floor Space

### 4.3 Colocation Revenue

### 4.4 Installed Racks

### 4.5 Rack Space Utilization

### 4.6 Submarine Cable

## 5 Key Industry Trends

### 5.1 Smartphone Users

### 5.2 Data Traffic Per Smartphone

### 5.3 Mobile Data Speed

### 5.4 Broadband Data Speed

### 5.5 Fiber Connectivity Network

### 5.6 Regulatory Framework

#### 5.6.1 Singapore

### 5.7 Value Chain & Distribution Channel Analysis

## 6 MARKET SEGMENTATION (INCLUDES MARKET SIZE IN VOLUME, FORECASTS UP TO 2029 AND ANALYSIS OF GROWTH PROSPECTS)

### 6.1 Hotspot

#### 6.1.1 East Singapore

#### 6.1.2 West Singapore

#### 6.1.3 Rest of Singapore

### 6.2 Data Center Size

#### 6.2.1 Large

#### 6.2.2 Massive

#### 6.2.3 Medium

#### 6.2.4 Mega

#### 6.2.5 Small

### 6.3 Tier Type

#### 6.3.1 Tier 1 and 2

#### 6.3.2 Tier 3

#### 6.3.3 Tier 4

### 6.4 Absorption

#### 6.4.1 Non-Utilized

#### 6.4.2 Utilized

##### 6.4.2.1 By Colocation Type

###### 6.4.2.1.1 Hyperscale

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 6.4.2.1.2 Retail
- 6.4.2.1.3 Wholesale
- 6.4.2.2 By End User
  - 6.4.2.2.1 BFSI
  - 6.4.2.2.2 Cloud
  - 6.4.2.2.3 E-Commerce
  - 6.4.2.2.4 Government
  - 6.4.2.2.5 Manufacturing
  - 6.4.2.2.6 Media & Entertainment
  - 6.4.2.2.7 Telecom
  - 6.4.2.2.8 Other End User

## 7 COMPETITIVE LANDSCAPE

### 7.1 Market Share Analysis

### 7.2 Company Landscape

7.3 Company Profiles (includes Global Level Overview, Market Level Overview, Core Business Segments, Financials, Headcount, Key Information, Market Rank, Market Share, Products and Services, and Analysis of Recent Developments).

#### 7.3.1 1-Net Singapore Pte Ltd. (Mediacorp)

#### 7.3.2 AirTrunk Operating Pty Ltd.

#### 7.3.3 China Mobile International Ltd.

#### 7.3.4 Cyxtera Technologies

#### 7.3.5 Digital Realty Trust, Inc.

#### 7.3.6 Empyrion DC

#### 7.3.7 Equinix, Inc.

#### 7.3.8 Global Switch Holdings Limited

#### 7.3.9 PhoenixNAP

#### 7.3.10 Princeton Digital Group

#### 7.3.11 Rackspace Technology Inc.

#### 7.3.12 STT GDC Pte Ltd

### 7.4 LIST OF COMPANIES STUDIED

## 8 KEY STRATEGIC QUESTIONS FOR DATA CENTER CEOS

## 9 APPENDIX

### 9.1 Global Overview

#### 9.1.1 Overview

#### 9.1.2 Porter's Five Forces Framework

#### 9.1.3 Global Value Chain Analysis

#### 9.1.4 Global Market Size and DROs

### 9.2 Sources & References

### 9.3 List of Tables & Figures

### 9.4 Primary Insights

### 9.5 Data Pack

### 9.6 Glossary of Terms

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

## Singapore Data Center - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2017 - 2029

Market Report | 2024-02-17 | 197 pages | Mordor Intelligence

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

### ORDER FORM:

Select license	License	Price
	Single User License	\$4750.00
	Team License (1-7 Users)	\$5250.00
	Site License	\$6500.00
	Corporate License	\$8750.00
		VAT
		Total

\*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

\*\* VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	2025-06-23
		Signature	

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com



**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)  
[www.scotts-international.com](http://www.scotts-international.com)