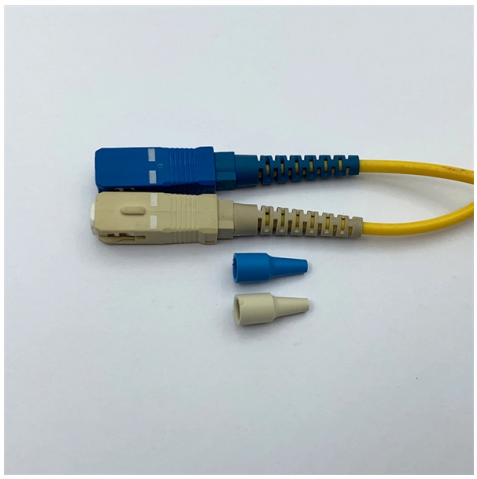
Where are the server racks for the East Asia Data Center



Overview

We currently have 1456 data centers listed, from 26 countries in Asia. Click on a country below, to explore its data center locations.

Key Takeaways

Server racks in East Asia Data Centers are typically housed in high-density, secure facilities located in major urban and economic hubs across countries like China, South Korea, Japan, and Singapore.

Regional Placement

East Asia Data Centers are strategically positioned near urban centers and major network hubs to ensure low-latency connectivity for cloud services, AI workloads, and enterprise applications. Countries such as China, South Korea, Japan, and Singapore host the majority of these facilities due to high population density, strong digital infrastructure, and reliable power availability. These centers often integrate hyperscale server clusters to support AI pre-training and inferencing, cloud computing, and enterprise IT services.

Typical Server Rack Arrangement

Within these data centers, server racks are organized in rows inside climate-controlled halls with raised floors or modular pod designs. Each rack contains multiple servers, networking equipment, and storage units. High-density racks are often deployed for AI and HPC workloads, featuring GPU-enabled blades and energy-efficient processors.

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Cooling systems, redundant power supplies, and battery backups are integrated to maintain uptime and reliability.

Connectivity and Infrastructure

East Asia Data Centers are connected via submarine cables and fiber networks, such as the Southeast Asia-Japan Cable 2 (SJC2), linking China, Taiwan, Japan, South Korea, Thailand, and Vietnam. This ensures high-speed, low-latency access for cloud and enterprise clients. Power infrastructure often includes renewable energy sources, solar farms, and hydrogen fuel cells to address grid limitations and enhance sustainability.

Capacity and Growth

The region's data centers are expanding rapidly, with the total number of racks projected to reach 4. 2 million units by 2029, and IT load capacity expected to reach 23,000 MW. India, China, and South Korea are leading in rack deployment, while Southeast Asian countries like Vietnam, Thailand, and Malaysia are seeing significant growth in upcoming facilities.

In summary, while the exact physical rack locations within a specific East Asia Data Center are not publicly disclosed, they are generally housed in secure, high-density halls within major urban data centers, optimized for performance, connectivity, and energy efficiency.

Article Content

Asia Data Centers

We currently have 1456 data centers listed, from 26 countries in Asia. Click on a country below, to explore its data center locations. Save the trouble of contacting the providers yourself, check out our

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As data centers have grown in complexity and size alongside the exponential expansion of the internet, server racks have also grown to become an indispensable component of network infrastructures.

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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