

ASEAN Ten Countries Branded Modular Data Center IP65



AI Overview

Modular data centers in ASEAN are increasingly being deployed with robust designs, including IP65-rated enclosures, to support rapid digital growth and high-density computing in tropical climates.

Overview of ASEAN Data Center Growth

The ASEAN region, comprising ten countries—Brunei, Cambodia, Indonesia, Laos, Malaysia, Myanmar, the Philippines, Singapore, Thailand, and Vietnam—is experiencing rapid digital expansion, with the digital economy projected to exceed USD 1 trillion by 2030 . This growth is driving demand for next-generation data centers that are reliable, sustainable, and scalable . Countries like Malaysia, Singapore, Thailand, Vietnam, and the Philippines are seeing significant increases in operational and upcoming data center capacities, with hyperscale and AI-ready facilities leading the expansion .

Modular Data Center Design

Modular data centers are prefabricated, containerized, or pod-based facilities that allow rapid deployment, flexible scaling, and simplified operations. Key features include:

- Prefabricated construction for faster installation and reduced on-site labor .
- Optimized cooling and airflow to handle high-density racks efficiently .
- Smart operations and maintenance (O&M) with integrated monitoring systems .
- Sustainability measures, including renewable energy integration and energy-efficient designs .

IP65 Protection

An IP65 rating indicates that the data center modules are dust-tight and protected against water jets, making them suitable for tropical ASEAN climates with high humidity and heavy rainfall. This ensures:

- Protection of sensitive IT equipment from dust, rain, and splashes.
- Enhanced reliability in outdoor or semi-outdoor deployments.
- Compliance with international standards for ruggedized modular facilities.

Regional Considerations

Regulatory environment:

Most ASEAN countries currently lack specific national regulations for d...

Article Content

TOP 10 DATA CENTRE CRITICAL IT INFRASTRUCTURE PROVIDERS IN ASEAN

Server rack batteries provide backup power for data centers and IT infrastructure. Key considerations include battery chemistry (lithium-ion vs. lead-acid), runtime requirements,

Asia-Pacific Prefabricated and Modular Data Centers Market: Focus

The Asia-Pacific region's need for prefabricated and modular data centres is growing quickly due to its capacity to provide adaptable, affordable, and energy-efficient digital infrastructure

Asia Pacific Modular Data Center Market Size And Outlook 2033

Asia Pacific Modular Data Center Market is valued at \$4.4 Billion in 2025 and is projected to reach \$41.3 Billion by 2033.

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

Asia-Pacific Prefabricated and Modular Data Centers Market

The market for prefabricated and modular data centres in Asia-Pacific (APAC) is expanding rapidly due to the region's fast digitalisation, cloud adoption, and 5G infrastructure rollout

South East Asia Existing & Upcoming Data Center

This database covers the South East Asia data center market portfolio analysis, which will provide the following information on the colocation

ASEAN GUIDE FOR SUSTAINABLE DATA CENTRE DEVELOPMENT

This ASEAN Guide for Sustainable Data Centre Development is designed for policymakers, regulators and stakeholders seeking to make data centre expansion sustainable.

Top 10 data centre companies in the Asia and Pacific

With the future looking bright for the data centre industry across the APAC region, Data Centre Magazine rounds up the top 10 APAC data centres

EPG modular data centers gain Malaysia BOMBA

EPG Earns Malaysia's BOMBA Approval, Paving the Way for Wider Modular Data Center Deployment in ASEAN

Asia-Pacific Prefabricated and Modular Data Centers Market Report

This combination of operational efficiency, environmental responsibility, and deployment agility is accelerating the adoption of prefabricated and modular data centres throughout APAC.

ASEAN GUIDE FOR SUSTAINABLE DATA CENTRE DEVELOPMENT

ASEAN data centre sector is expanding at a speed and scale unmatched in most other regions. This growth brings enormous opportunity for economic development, digital innovation and investment

EPG Earns Malaysia's BOMBA Approval, Paving the

EPG Earns Malaysia's BOMBA Approval, Paving the Way for Wider Modular Data Center Deployment in ASEAN Updated - December 03, 2025 at

ASEAN (Association of Southeast Asian Nations) Data Centers

Explore 153 data centers across 10 countries in ASEAN (Association of Southeast Asian Nations) from 34 providers including IPTP Networks, STTelemedia Global Data Centres, ePLDT. Compare global

ASEAN Ten Countries Data Center Rack IP67

In ASEAN, NTT has 12 existing data centers across 5 countries and region, Singapore, Malaysia, Indonesia, Thai and Vietnam. And now planning to expand another 3 data centers in

EPG Earns Malaysia's BOMBA Approval, Paving the Way for Wider Modular ...

SINGAPORE, Dec. 2, 2025 /PRNewswire/ -- EPG, a leading provider of modular data center solutions, has received BOMBA certification from Malaysia's Fire and Rescue Department for its containerized

ASEAN Colocation Data Center Market Forecast Report 2021-2026 ...

Country Analysis Growth Opportunity Analysis, ASEAN Data Center Colocation Services Market Growth Opportunity 1-Aligning Data Center Design and Management Tools in Order to

ASEAN Data Centre

In a bid to compare how ASEAN is placed vs more evolved markets, we benchmark the current ASEAN data centre infrastructure (supply) on factors such as MW/GDP and MW per capita.

EPG Earns Malaysia's BOMBA Approval, Paving the

SINGAPORE, Dec. 3, 2025 /PRNewswire/ — EPG, a leading provider of modular data center solutions, has received BOMBA certification from Malaysia's Fire and

Southeast Asia Data Centers & Colocation

Explore 657 data centers in Southeast Asia. Compare colocation facilities with detailed specs, pricing, and location maps for informed decisions.

Building Next Generation Data Center Facility in ASEAN

It addresses the challenges with the current practices of data centers. Modular designs, optimised construction for cooling and airflow, prefabricated data centers, smart and simplified O& M,

The Asia Data Centre Landscape

AI workload increases are driving data center expansion in Southeast Asia while challenges in power availability are hindering new developments in key Asian cities.

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.mr-security.co.za>

Email: info@mr-security.co.za

Phone: +33 1 45 23 67 81

Address: 10 Rue de la Paix, 75002 Paris, France

This document is for informational purposes only. Specifications subject to change without notice.

