

19-inch cold aisle racks for ASEAN countries



Article Overview

19-inch cold aisle server racks are widely available in ASEAN, offering modular, customizable, and certified solutions for efficient data center cooling and equipment management.

Key Features and Specifications

Standardization and Dimensions: Most racks follow the 19-inch EIA-310 standard, with common heights of 42U, 45U, or 48U and depths ranging from 600mm to 800mm, suitable for servers, switches, and patch panels. Load capacities typically exceed 1500 kg, ensuring stability for high-density deployments.

Construction and Materials: High-quality racks use cold-rolled steel (SPCC) frames with tempered glass or perforated doors for durability, safety, and airflow management. Modular designs allow hot/cold aisle containment, improving cooling efficiency and reducing PUE (Power Usage Effectiveness).

Cooling and Thermal Management: Cold aisle racks are designed for in-row, overhead, or raised-floor cooling integration, with options for liquid cooling provisions and AI-ready high-density configurations supporting up to 100 kW per rack. Proper sealing and airflow management prevent hot and cold air mixing, enhancing energy efficiency.

Certifications and Compliance: Look for racks with CE, UL, IP ratings, and UL 2416 certification for high-density or AI workloads. Compliance ensures safety, dust/water resistance, and suitability for enterprise and hyperscale environments.

Customization and Modularity: Many ASEAN suppliers offer OEM/ODM services, allowing customization of dimensions, colors, side panels, cable management, and PDU layouts. Modular designs enable scalable deployment, adding racks or containment units as data center demands grow.

Regional Suppliers:

Article Content

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Server Rack Basics What is a server rack? Server racks are open frames or cabinets designed for mounting, organizing and

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19" Equipment Rack (600mm & 800mm Depth)

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ASEAN Cold Chain Logistics

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ASEAN Cold Chain Logistics Industry Outlook to 2025

Dublin, Jan. 29, 2021 (GLOBE NEWSWIRE) -- The "ASEAN Cold Chain Logistics Market: Growth, Trends, and Forecast (2020

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Contact Us

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