

Which type of outdoor server rack is best in Vietnam

Article Overview

For Vietnam's tropical climate, an IP55-IP66-rated outdoor server rack with active and passive cooling, corrosion-resistant materials, and flexible mounting is recommended.

Key Considerations for Vietnam

Climate Adaptation: Vietnam experiences high humidity, heavy rainfall, and high temperatures, especially in southern regions. Outdoor racks must resist water ingress, dust, and UV exposure. IP55 is the minimum, but IP66 is preferred for coastal or flood-prone areas to ensure protection against heavy rain and salt spray .

Material and Corrosion Resistance: Stainless steel or powder-coated aluminum racks are ideal to prevent rust and corrosion in humid environments. Coatings should withstand UV exposure and tropical heat.

Cooling Requirements: Outdoor racks should combine passive ventilation with active cooling (fans and thermostats) to maintain stable internal temperatures, as ambient temperatures can reach 40-45°C in summer .

Size and Mounting: Typical racks for outdoor deployment are 12U-15U with 600 mm depth. Pole or wall-mount options provide flexibility for urban or remote installations. Avoid ultra-deep cabinets unless housing full-depth UPS or legacy equipment .

Security and Accessibility: Lockable enclosures with tamper-resistant doors are essential for protecting IT equipment in public or semi-public areas.

Local Market and Suppliers

Vietnam's data center rack market is growing rapidly, with both international and local manufacturers offering solutions . Key suppliers include:

- o Schneider Electric Vietnam - Offers NetShelter and ORV3 racks with intelligent cooling and high-density support .
- o Delta Power Solutions - Provides corrosion-resistant outdoor enclosures suitable for tropical climates .
- o Vietrack (NHAN SINH PHUC CO LTD) - Local manufacturer with customizable racks for edge and outdoor deployments .
- o Dell and Vertiv - International options with proven reliability in harsh environments .

Recommended Specifications for Vietnam

- o IP Rating: IP55 minimum, IP66 for coastal/flood-prone areas
- o Rack Size: 12U-15U, 600 mm depth
- o Cooling: Passive + active (fan + thermostat)
- o Material: Powder-coated steel or stainless steel
- o Mounting: Pole, wall, or freestanding

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o Additional Features: Lockable doors, UV-resistant coating, corrosion protection By prioritizing these specifications, businesses in Vietnam can ensure reliable outdoor IT infrastructure that withstands tropical weather while supporting edge computing, surveillance, or telecom applications .

This Whitepaper answers "What is a server rack?" in detail, providing an overview of their function,

Evaluate your server hardware specifications to determine the necessary rack size and

An outdoor server rack or patch cabinet is a 19-inch cabinet that has four 19-inch mounting profiles. In these profiles, you directly

Outdoor Server Cabinet provides a secure, climate controlled environment for Your IT Discover AZE Telecom's outdoor weatherproof

If you're setting up a network or IT infrastructure in an outdoor location, an outdoor server rack cabinet is the best choice. For indoor

Enclosed rack and cabinet rack configurations command the widest deployment in Vietnam's enterprise and telecommunications

Nemaco offers server rack cabinets in water spray-resistant designs that protect electrical equipment and network electronics. The

AZE's 19" outdoor server racks and outdoor network cabinets are ideal for protecting sensitive network systems from any damage

Wall-mounted or open frame racks are ideal for limited or shared spaces such as small offices or telecom closets,

The extensive array of server racks can be overwhelming and frustrating, but knowing the correct dimensions, space requirements,

These servers are essential in industries where on-site computing power is required beyond the controlled conditions of traditional

What is server racks and how to choose the right one? Discover key features, benefits, and colocation solutions at

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Choose the best data center server rack by considering size, cooling, security, and

Explore Schneider Electric open and enclosed server rack and network rack solutions for a variety of environments including data

Picking a Server Rack Selecting a server rack frame could be the most important part of the designing

When it comes to high-quality Data Center Server Racks, Smart Vietnam leads the way. These server racks are designed to meet

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