

4U Outdoor Server Rack Price Specifications and Models



Overview

A practical, no-fluff guide on selecting a 4U waterproof server rack—covering IP ratings, materials, mounting options, real-world durability, and cost trade-offs.

Key Takeaways

A 4U outdoor server rack is a 19-inch, IP55-rated enclosure, 7 inches tall, designed to house servers, networking gear, and UPS systems in harsh environments.

Specifications

Dimensions and Form Factor: Height: 4U (7 inches / 177.8 mm) Width: Standard 19 inches (482.6 mm) Depth: Typically 20–24 inches externally, depending on door clearance and ventilation design Internal usable height is 4U; total footprint may vary with material thickness and mounting rails Material and Protection: Mild steel with gasket-sealed doors is recommended for outdoor use IP ratings: IP54, IP55, or IP65 for dust and water resistance Avoid powder-coated aluminum unless in coastal salt-spray zones Reinforced mounting rails for stability under environmental stress Compatibility: Supports servers, network switches, PoE injectors, fiber termination units, and UPS modules Compatible with 2.

5" and 3.5" drives in rackmount servers Can accommodate high-density GPU or CPU configurations in 4U rackmount servers Cooling and Maintenance: Proper airflow is essential; consider installing cooling fans if housing high-power equipment Avoid overcrowding to maintain optimal temperature and prevent thermal stress Models and Configurations GIGABYTE 4U Rack Servers: Single-socket AMD or Intel CPUs Up to 16 DIMMs for memory-intensive applications Supports 36–60 hot-swap HDDs for high storage capacity Puget Systems 4U Rack Servers: High core counts and memory capacity Supports up to eight NVIDIA GPUs (L40S, H200 NVL) Customizable for CPU- or GPU-intensive workloads Thomas-Krenn 4U Rack Servers: Individually configurable with Intel processors Hard drive options from 24 to 36 drives Flexible OS installation and expansion options Prices are net and vary based on configuration; VAT not included Sysracks 4U Cabinets: Standard 19-inch width, 7-inch height Depth varies 20–36 inches Suitable for small to medium IT deployments, edge computing, or networking gear Price Range Prices vary widely depending on material, IP rating, and server configuration Basic 4U outdoor racks (IP55, mild steel) typically start around \$300–\$500 Fully configured 4U rackmount servers with high storage, memory, or GPU support can range from \$2,000 to \$10,000+, depending on components and customization Use Cases Outdoor telecom installations, rural ISPs, and edge computing CCTV and surveillance systems in open or unconditioned spaces Industrial environments with high humidity, dust, or temperature fluctuations A 4U outdoor server rack provides a compact, durable, and scalable solution for deploying IT infrastructure in challenging environments, balancing protection, expandability, and performance.

Article Content

4U Waterproof Server Rack Guide: How to Choose Right

A practical, no-fluff guide on selecting a 4U waterproof server rack—covering IP ratings, materials, mounting options, real-world durability, and cost trade-offs.

4U Rack Outdoor Guide: How to Choose the Right Weatherproof

A practical, no-fluff guide to selecting a 4U outdoor rack—covering IP ratings, mounting options, cooling, cost, and real-world trade-offs for telecom, security, and edge networking use.

4U Server Rack - 19 Inch Data & Network Cabinets

What is a 4U rack? A 4U rack is a server rack that occupies 4 units (U) of vertical

4U Servers (1 to 2 CPUs) rack servers

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4U Rackmount Servers

4U rack servers with single-socket AMD or Intel CPUs, supporting up to 60 hot-swap HDDs, 16 DIMMs, and 2.5"/3.5" drives for scalable, reliable enterprise data center workloads.

4U Server Racks and Server Cabinets : Computer Racks and

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15 Best 4U Rackmount Servers for 2026 That Power Your Data

Harness the top 15 4U rackmount servers for 2026 that power your data, and discover which models can elevate your infrastructure to the next level.

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4U Wall Mount Rack,4U Rack 14 inch Depth,19" Network Rack for Shallow Server and IT Equipment, Network Switches,Patch Panel Bracket,110lbs (50kg) Weight Capacity,Black Brand: StarTech

Huawei N63E-22 Rack Cabinet Guide for MA5600T/MA5800 OLTs

Learn specs, compatibility with Huawei OLTs (MA5600T/MA5800), ETSI 300mm compliance, 47U capacity, load rating, and sourcing options for the N63E-22 telecom rack.

4U Rack Outdoor

Shop high-quality 4u rack outdoor products from reliable suppliers. Durable, waterproof, and designed for various needs. Perfect for telecom and data storage.

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A Complete Guide to 4u Rack Mount Server Case Chassis: Specifications ...

A 4U rack mount server case (also known as a chassis) is a standard-sized enclosure designed to house high-performance computing hardware in a structured, scalable, and secure

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

