Network rack price and dimensions



Overview

42U Server Racks & Cabinets, price ⚡Discover our selection of 42U network racks. □□ 19" 42U Enclosed & Open frame Server Rack Sizes: The Complete Guide to.

Key Takeaways

Standard network racks are typically 19 inches wide, with heights from 12U to 48U and depths ranging from 24 to 48 inches, with prices varying from around $150 to over $1,000 depending on size and features.

Standard Dimensions

Width: Most racks follow the 19-inch industry standard (distance between mounting rails) to accommodate servers, switches, and patch panels. Height: Measured in rack units (U), where 1U = 1. 75 inches.

Common heights include 12U, 24U, 36U, 42U, and 48U. A 42U rack provides 73. 5 inches of usable vertical space.

Depth: Varies based on equipment and airflow needs. Typical depths range from 24 inches (600 mm) to 48 inches (1200 mm). Shallow racks (24–30 inches) are suitable for switches and patch panels, while deeper racks (36–48 inches) are recommended for servers and UPS units.

Types of RacksWall-Mounted Racks: Compact, usually 12U–24U, ideal for small offices or network closets. Depths commonly 18–35 inches.



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Floor-

Standing Racks: Larger, 24U–48U, suitable for data centers. Can support heavy equipment and allow better airflow and cable management.

Portable or Under-

Desk Racks: Smaller, mobile racks for home labs or temporary setups, often 12U with 24–35 inch depth.

Features Affecting Price

Material and Build: Steel or aluminum construction, perforated doors for ventilation, lockable panels. Load Capacity: Standard racks support 300–1000 kg evenly distributed. Additional Options: Cable management, adjustable shelves, castors, and power distribution units (PDUs) can increase cost.

Price Ranges

Small Wall-

Mount Racks (12U–24U): Approximately $150–$400 depending on depth and features.

Standard Floor-

Standing Racks (42U–48U): Typically $500–$1,200, with premium models exceeding $1,500 for heavy-duty or fully enclosed cabinets. Custom or Bespoke Racks: Prices vary widely based on size, material, and additional features; UK-made or specialized racks may require direct quotes.

Recommendations

For home labs or small offices, a 12U–24U wall-mounted rack with 24–30 inch depth is usually sufficient. For enterprise or data center setups, a 42U–48U floor-standing rack with 36–48 inch depth is recommended to accommodate servers, UPS units, and future expansion. Always consider cable clearance, airflow, and load capacity when selecting depth and height to avoid costly mistakes.

Choosing the right rack ensures proper equipment fit, efficient cooling, and scalable network infrastructure.

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Article Content

Server Rack Sizes: The Complete Guide to Standard,

Below is a comprehensive, fully detailed guide covering all standard server rack sizes, form factors, height considerations, depth classifications, and

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

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