

48u Standard Network Rack Dimensions



AI Overview

A standard 48U network rack has a 19-inch mounting width, with an overall cabinet width typically around 600 millimeters (24 inches). **Standard Width Details** The 19-inch width refers to the distance between the vertical mounting rails inside the rack, following the EIA-310 standard, which ensures compatibility with most servers, switches, and patch panels. The external cabinet width for a standard 48U rack is usually 600 millimeters (24 inches), allowing sufficient space for the rails, side panels, and airflow management. **Wide Rack Variants** For high-density installations or additional cable management, some 48U racks are designed wider. For example, the SR48UBWD SmartRack model has an external width of 750 millimeters (30 inches) while still maintaining the 19-inch internal mounting width. This extra width facilitates better airflow, side-mounted PDUs, and easier cable routing without interfering with equipment cooling. **Additional Considerations** **Rack Depth:** Standard racks vary in depth from 24 to 48 inches depending on equipment size and airflow requirements. **Height:** 48U corresponds to 48 rack units, with each unit being 1.75 inches, giving a total usable height of 84 inches (2133 mm). **Compatibility:** Standard 19-inch racks are compatible with nearly all mainstream IT equipment, while wide or custom racks are used for specialized or high-density setups. In summary, a standard 48U network rack has a 19-inch internal mounting width and an external width of about 24 inches, with wider 30-inch variants available for high-density or specialized installations.



Article Content

What are the Standard Server Rack Dimensions?

While there are global standards for server rack dimensions, such as the 19-inch width standard, there can be variations in depth and height. The 19

Standard Rack Size

The dimensions of data center server racks are standardized but offer various options to accommodate different equipment needs. The standard rack height is

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

SmartRack 48U Standard-Depth Extra-Wide Rack Enclosure Cabinet,

Rack cabinet with 800 mm width houses, organizes and secures standard rack equipment with extra side room for cabling and PDUs. This SmartRack® 48U enclosure is designed for network wiring

Choose the Right Data Center Server Rack Size

Height is frequently used to categorize servers into different categories. The height dimension is also indicated by the standard unit for sizing

Network Cabinet Sizes: 42U to 48U Standards Explained

Discover the latest network cabinet sizes, from standard 42U to emerging 48U and deep-rack trends. Learn key dimensions, industry standards, and why 48U is becoming the new baseline

Server Racks & Cabinets

RackSolutions has been manufacturing high quality server racks and cabinets for over 20 years. Whether you need a single rack at home or a thousand in a data

TS IT Pro 48U Network/Server Rack 48U, Depth: 48",

Modular and scalable: Prepared for the next generation of IT components. The modular, scalable TS IT Pro platform and accessories are future proof. The

Server Rack Cabinets Sizes: Depth, Width, & Height Explained

Get a comprehensive guide on server rack cabinet sizes and dimensions. Understand the depth, width, and height requirements to fit your IT needs.

48U Wide Standard-Depth Server Rack Cabinet | Eaton

This wider version of the standard 48U SmartRack® enclosure ships mounted on a special pallet that features additional reinforcement

Server Rack Sizes & Dimensions Guide 2026

Common server rack sizes are 19-inch width, heights like 42U or 48U, and depths from ~24" to 48". Choose size based on equipment type, cooling, space, and future growth.

48U SmartRack Standard-Depth Rack Enclosure Cabinet with

48U SmartRack Standard-Depth Rack Enclosure Cabinet with doors & side panels
MODEL NUMBER: SR48UB Description SmartRack enclosures are designed for secure, high density server and

48U SmartRack Standard-Depth Rack Enclosure Cabinet with

Center-to-center width can be set at 600mm or 24" to match standard data center floor tiles. Casters are pre-installed and support a rolling load capacity of 2250 lbs, allowing the enclosures to be pre

Server Racks and Cabinet Sizes | Server Room Environments

Our offerings include a variety of cabinets and racks with detailed specifications such as server cabinet sizes, comms rack sizes, data cabinet sizes, and data center cabinet sizes. We also provide

Server Rack Sizes: Understanding the Differences

2-post racks vs. 4-post racks The final element to consider when looking at server rack sizes is the rack type. 2-post racks and 4-post racks have

48U 4-Post Server Rack, Standard-Depth | Eaton

The SR48UBEXPND houses 3,500 pounds (1588 kilograms) of standard 19-inch rack equipment in 48U. Its front and rear pairs of vertical rails have square mounting holes that are adjustable in quarter-inch

48U 4-Post Server Rack, Standard-Depth | Eaton

This SmartRack® 48U Standard-Depth 4-Post Premium Open Frame Rack has no doors and no side panels. The "EXP" version is an expansion model used when

Standard-Depth Server Rack Enclosure, 48U | Eaton

Tripp Lite series 48U SmartRack Standard-Depth Rack Enclosure Cabinet with doors & side panels Part Number: SR48UB [CHECK PRICES](#) [Add to Compare](#)

Server Racks and Their Sizes

Security and safe functioning, with a structure that allows ventilation for the system
"Higher-U" Server racks: 42U, 45U and 48U Most racks are 42U, (about two

Cabinet, Enclosure & Open Frame Rack Systems

Cabinet, Enclosure & Open Frame Rack Systems Our vast selection of cabinets, thermal management, racks, enclosures for data centers, telecommunications

SmartRack 48U Standard-Depth 4-Post Premium Open Frame Rack with No ...

This SmartRack® 48U Standard-Depth 4-Post Premium Open Frame Rack has no doors and no side panels. The "EXP" version is an expansion model used when several cabinets are bayed together.

SmartRack 48U Standard-Depth Extra-Wide Rack Enclosure Cabinet,

Wide Server Rack Accommodates 48U of Equipment with Side Cable Management
This SmartRack® 48U enclosure is designed for network wiring closets, retail locations, classrooms, back offices and

48U SmartRack Extra-Deep Server Rack

Four mounting rails adjust in quarter-inch increments from four to 42 inches. Two rails also support toolless 0U mounting for quick installation of up to four compatible PDUs and vertical cable

Contact Us

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