2-meter standard network rack dimensions



Overview

The most popular modern server rack and cabinet dimensions are 24 inches (600mm) wide, 42 inches (1066.80mm) deep, and 73.6 inches (1866.90mm) tall.

Key Takeaways

A 2-meter (approximately 42U) standard network rack typically has a 19-inch width, 42U height, and a depth ranging from 600 mm to 1200 mm depending on equipment needs.

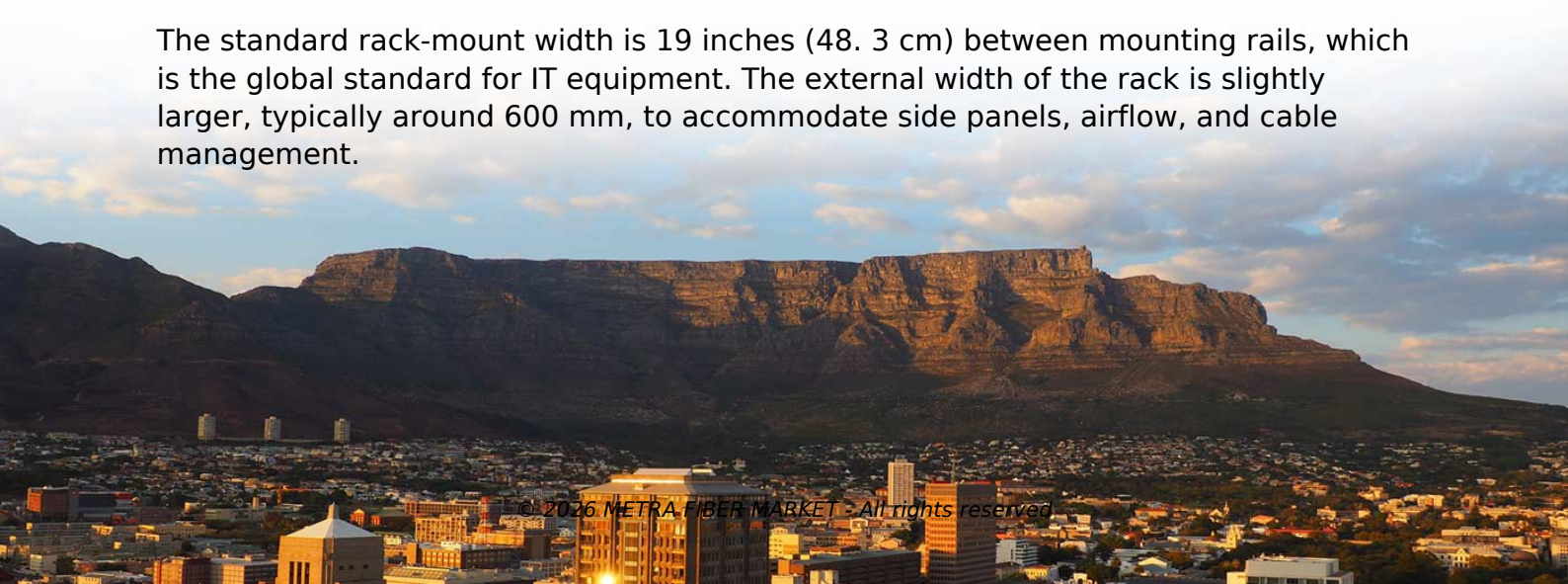
Height

A 2-meter rack corresponds to roughly 42U, where 1U equals 1. 75 inches (44. 45 mm) in height.

This gives a total internal height of about 1850 mm, with the overall external height slightly higher due to adjustable feet or casters, reaching close to 2000 mm (2 meters) in total.

Width

The standard rack-mount width is 19 inches (48. 3 cm) between mounting rails, which is the global standard for IT equipment. The external width of the rack is slightly larger, typically around 600 mm, to accommodate side panels, airflow, and cable management.



© 2026 METRA FIBER MARKET - All rights reserved

Depth

Rack depth varies depending on the type of equipment and cooling requirements: Shallow racks: 600–800 mm, suitable for switches, patch panels, or lightweight equipment. Standard racks: 1000–1200 mm, ideal for servers, storage arrays, and deeper chassis. The depth should be chosen to allow sufficient rear clearance for cabling and airflow.

Additional Considerations

Rack units (U): Each U is 44. 45 mm; a 42U rack provides ample space for most enterprise servers. Perforation and airflow: Front and rear doors are often perforated to allow proper cooling, with at least 60% open area recommended.

Cable management: Ensure extra space above and below equipment for routing fiber-optic or copper cables. Load capacity: Verify the rack's weight rating if installing heavy UPS units or storage arrays. In summary, a 2-meter standard network rack is generally a 42U, 19-inch wide cabinet with a depth selected based on equipment type, typically 1000–1200 mm for servers, providing a balance of space, airflow, and future expansion.

Article Content

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,

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

Server Rack Sizes & Dimensions: Depth, Width, & Height

The most popular modern server rack and cabinet dimensions are 24 inches (600mm) wide, 42 inches (1066.80mm) deep, and 73.6 inches (1866.90mm) tall. Those dimensions support

Server Rack Sizes & Dimensions Explained: The Ultimate Guide to

Discover essential information on server rack sizes and dimensions, including heights, widths, and depths, in our ultimate guide. Optimize your setup today!

What are the sizes of commonly used rackmount network cabinets ...

© 2026 METRA FIBER MARKET - All rights reserved

42U, 47U: With a height of about 2 meters, they are the most commonly used sizes in large network environments such as data centers. They can accommodate a large number of

A Guide to Server Rack Sizes for Data Centers

With this reality in mind, keep reading for a guide to server rack sizes, including why server rack size matters, which sizes are available, and how to choose the right rack size for your workloads.

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.

19-Inch Rack Size and Dimensions Explained: The Complete Guide to ...

Its standardized rack size and dimensions — 19 inches wide, 1.75-inch rack unit (U) high, and 600–1200 mm deep —provide the interoperability required for modern IT, telecommunications,

19-inch rack

Each module has a front panel that is 19 inches (482.6 mm) wide. The 19 inch dimension includes the edges or ears that protrude from each side of the equipment, allowing the module to be fastened to

Standard Rack Size

When discussing the standard rack size we suggest a 42U cabinet with an overall width of 24 inches. This size, even with casters, in most cases will roll into a room with a standard size of door. This size

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 an inherent difference in depth.

What are the Standard Server Rack Dimensions?

Discovering the Essentials: Server Rack Dimensions Unraveled! □□ Demystify Server Rack Size & Standard Dimensions □□ Exploring Network Rack Dimensions and

Server Rack Sizes & Dimensions Guide 2026

Server rack size mainly comes down to three dimensions: Width – Most racks follow a standard 19-inch width to fit common IT gear. Height –

Server Rack Size Guide: Choosing the Right Rack for

© 2026 METRA FIBER MARKET - All rights reserved

Find the perfect server rack size for your data center. Understand rack units (1U, 2U, 4U), dimensions like 1.75 inches/44.45 mm, and available

Server Rack Sizes & Dimensions: Depth, Width, & Height

Server rack size and dimensions are important considerations for implementation. We explore standard server rack sizes, including depth, width, and height.

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 Size Guide

Server Rack Size Guide The table below can be used to determine the height of a server rack or cabinet in metric and imperial measurements. This is the internal ''usable'' height within a server rack and the

Standard Rack Size

Learn about server rack sizes, industry standards, and key factors to consider before purchasing. Optimize your IT setup with the right server rack dimensions.

Contact Us

Continue your research online:

Website: https://metramarket.es
Technical inquiry: https://metramarket.es/contact.html

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

© 2026 METRA FIBER MARKET - All rights reserved