

# Standard Height and Width of a 1U Chassis



## Overview

You'll get the precise, standardized dimensions of a 1U server rack unit — including height (1.45 m), width (19" / 48.26 cm), mounting hole spacing, and critical clearance allowances — plus actionable guidance on verifying physical fit, avoiding common installation. U (rack unit, RU) is a unit of equipment height in a 19" rack. [1] It is most frequently used as a measurement of the overall height of 19-inch and 23-inch rack frames, as well as the height of equipment that mounts in these frames, whereby the height of the frame or. A "Rack Unit" (U) is a standard height measure for mounting equipment in a server rack. 5 millimeters in height according to the EIA standard. 45 mm), making it easy to size and organize hardware in a consistent, stackable way.

## Article Content

Choosing the Right Rackmount Server Case: 1U, 2U, 3U, and 4U ...

Standard Dimensions have 1U being 1.75 inches tall, 2U being 3.5, 3U being 5.25, and 4U being 7 inches tall. The height determines the number of cutting planes, which governs the other ...

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

Rack dimensions are based on the concept of the rack unit (U), where 1U equals 1.75 inches (44.45 mm) in height. Devices such as a 1U server, 2U storage array, or 4U industrial PC can be stacked ...

How Tall Is 1U? A Practical Guide to Server Rack Dimensions and the ...

A 1U server rack unit measures exactly 44.5 millimeters in height according to the EIA standard. Understanding this precise dimension is essential for proper equipment installation, airflow, and long ...

What Is a 1U Server Rack Size? Exact Dimensions & Mounting Guide

A 1U server rack measures exactly 1.75 inches (44.45 mm) in height and fits standard 19-inch racks. Learn why equipment must stay *under* that limit, how depth varies, and how to verify ...

1U Rack Size in mm: 44.45mm Standard Explained

The scope of this analysis covers the standard physical dimensions of rack-mounted equipment, specifically focusing on the 1U height unit (44.45 mm) and its application across various ...

Understanding Rack Units (U) in Server Racks [May 2026]

A "Rack Unit" (U) is a standard height measure for mounting equipment in a server rack. One U = 1.75 in (44.45 mm). This article explains definition, planning, installation tips, and trends.

Rack Unit (U): Size, Height & Standard Rack Mount Dimensions ...

1U equals 1.75 inches (or 44.45 mm), making it easy to size and organize hardware in a consistent, stackable way. Whether you're building a server setup or an energy storage system, ...

What is U Height: Rack Units Explained

A 1U server is 1.75 inches tall. A 2U device is twice as tall as a 1U device (3.5 inches). A 4U system occupies 7 inches of vertical rack space. This ...

1U Rack U Rackmount Measurements | Comms Express | Comms ...

Exact Dimensions: 1U = 1.75 inches or 4.445 cm. Standardization: All 19-inch rack-mounted devices are sized in multiples of U (1U, 2U, 4U, etc.). Industry Standard: This measurement is governed by the ...

## Rack unit

The rack unit size is based on a standard rack specification as defined in EIA -310. The Eurocard specifies a standard rack unit as the unit of height; it also defines a similar unit, horizontal pitch (HP), ...

## 1U Rack U Rackmount Measurements | Comms ...

Exact Dimensions: 1U = 1.75 inches or 4.445 cm. Standardization: All 19-inch rack-mounted devices are sized in multiples of U (1U, 2U, 4U, etc.). Industry Standard: ...

## 1U vs 2U vs 4U Servers: What "U" Means & How to Choose in 2026

Learn what a rack unit (U) is, how 1U/2U/4U differ, and how to pick the right chassis height for disks, PCIe/GPU, noise, power, rails, and airflow. ☑ Checklist included.

## Contact Us

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