

1u Standard Chassis Size GB



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. A rack unit (abbreviated U or RU) is a unit of measure defined as inches (44. [][] 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. U (rack unit, RU) is a unit of equipment height in a 19" rack. A rackmount server case is an enclosure built to hold server hardware inside a standardized rack system.



Article Content

Jul 29, 2025

1u rackmount dimensions: Standard Size Guide

Discover the standard 1u rackmount dimensions, including height, width, and depth. Learn why size matters for compatibility and space efficiency. Click to find the perfect fit for your setup.

Aug 10, 2025

U Rack Dimensions — What Is U in Server Rack?

This measurement is standard for all rack-mounted hardware. For larger hardware, sizes greater than 1U are used. Common values include 2U, 3U,

Apr 05, 2026

What does 1U, 2U, 3U Mean? Rack Units Explained

What does 1U actually mean? We see 1U often mentioned in technical articles, especially in the context of data centers. 2U, 3U, etc.

Feb 06, 2026

1U RACK server cases – pros, cons, applications | Lanberg

What are the main advantages, problems, and most common applications of RACK 1U server cases? Which server case should you choose

Apr 13, 2026

What are rack unit (U) measurements in data center

The width and depth of standard data center racks slightly vary by manufacturer, but the industry standard is 19 inches wide and 36 inches deep. Servers come in

Jul 20, 2025

1U Chassis Images

1u (1 3/4") Heavy-Duty Rack-Mount Chassis Introducing the STRONGBOX® 1 3/4" high (1 rack unit) by 19" wide, heavy-duty rack-mount chassis. SBx-1 chassis are

Dec 01, 2025

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

May 27, 2026

Industrial computer size analysis: 1U, 2U, 3U, 4U specifications

In short, 1U rack PC, 2U industrial PC, 3U, and 4U rackmount computer in industrial computers refer to the chassis height of industrial computers, where 1U is equal to 45.5 mm. These

May 09, 2026

Choosing the Right Rackmount Server Case: 1U, 2U,

Understand how 1U, 2U, 3U, and 4U rackmount server units vary in order to optimize your server requirements to select the most appropriate piece of

Apr 25, 2026

What are 1U, 2U, and 4U in Servers?

It is currently used as an informal standard in rack structures, including specified screw sizes, hole spacing, rail marking, etc. 1U and 2U are the

Apr 02, 2026

1U vs 2U vs 4U Servers: What “U” Means & How to

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. ☐☐

Jun 23, 2026

How to choose 1U,2U,3U,4U For Your Server Case

This refers to the Server Case size specification 1U=4.45cm, 2U=8.9cm, 3U=4.45cm, 4U=4.45cm This refers to the height of the server.

Dec 07, 2025

Server Chassis 1U: The Best Options for Compact

The 1U form-factor allows for easy installation in standard-sized server racks, maximizing the use of available space. These enclosures typically include

May 20, 2026

What Is 1U, 2U, 3U, 4U, 5U, 6U, and 7U?

Below is a listing of each of the different units and their dimensions. Although the width and height of a rackmount may be standard, the depth of a rackmount may change, as shown below.

Jun 01, 2026

1U vs. 2U vs. 3U: Rack Units Explained | EDN

EDN Explores Rack Units and Explains The Height Difference Between 1U vs. 2U vs. 3U. Plus, Find Practical Examples and Helpful Conversion Tables.

Mar 24, 2026

1U Technical Specifications

Mechanical Specifications The mechanical specifications are derived from the Eurorack mechanical specifications set by Doepfer. The 1U panel size is based

Jul 18, 2025

Choosing the Right Rackmount Server Case: 1U, 2U,

In this guide, we'll explain what rackmount server cases are, how they work, the main case sizes, and how to choose the right one for your setup. If you

Dec 09, 2025

1U Rack Size Explained: The Essential Guide to 1U Rack Size and Its ...

This guide dives into what a 1U rack size means, how it compares with other rack units, and how to choose, deploy and maintain equipment within this compact yet mighty form factor.

Nov 04, 2025

Standard Server Rack Dimensions: Depth, Width,

Discovering the Essentials: Server Rack Dimensions Unraveled! [🔗](#) Demystify Server Rack Size & Standard Dimensions [🔗](#) Exploring Network Rack

Apr 24, 2026

1U Rackmount Server Cases | SCAN UK

These rackmount cases are designed to slot into the industry-standard 19in wide equipment racks found in comms rooms and datacentres. It's important to choose

Jun 18, 2026

What's the difference between 1U, 2U, 3U and 4U

How does this all fit together? Devices designed to fit into rackmount server cabinets come in a range of heights, from 1U to 4U. A 1U panel is 1 Rack

Oct 27, 2025

Understanding Rack Mount System Sizing

This unit has been defined by Electronic Industries Alliance (EIA) as the standard for sizing rack mount equipment. 1 Rack Unit or 1U is 1.75 inches

Nov 01, 2025

1U Rackmount Servers

Measuring in at 1.75" (44.45mm) in height and 19" (482.6mm) in width, these servers are easy to deploy. 1U rack servers are available in 1- or 2-socket AMD, Intel, and

Mar 31, 2026

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:

May 12, 2026

What Are Server Rack Sizes and Why Do They Matter?

What Are Server Rack Sizes? Three main dimensions define server rack sizes: Height (measured in rack units or U) Width (typically 19 inches, the

Jan 20, 2026

What's the difference between 1U, 2U, 3U and 4U

The height of a rack is measured in Rack Units, written as U. A U is defined as 1 3/4 inches or 44.45mm. Find out more about 1U, 2U, 3U, 4U

Contact Us

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