

# 1U Standard Chassis Dimensions for Cloud Computing



## Overview

You'll get the precise, standardized dimensions of a 1U server rack unit — including height (1.45 mm), 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). Important: U describes height only, but a server's real "capabilities" are also determined by chassis depth, internal layout, airflow, rails, power, and expansion (PCIe/risers, NVMe). Have any questions?

Talk with us directly using LiveChat. The 1U chassis support multiple configurations include SATA hard drives, rackmount chassis and redundant power supply that fulfill server-grade IPC standard. The 1U chassis series with the cooling fans design to deliver non-stop operation. Common sizes include: Understanding these increments is vital when planning the.



## Article Content

Nov 14, 2025

1U, 2U, 3U, how much do you know about the size of

In a rack mount chassis the number of full 1U devices generally does not exceed 16, the full 2U devices generally do not exceed 12, and the full

Sep 18, 2025

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

The appearance of the rack server does not look like a computer, but like a switch. It comes in 1U (1U=1.75 inches), 2U, 4U and other

Sep 10, 2025

OCS1680-H04-H 1U Rackmount Server Chassis | 4

The OCS1680-H04-H is a high-performance 1U rack-mount server chassis designed for data-intensive, mission-critical applications. Built with Taiwan Sino

May 19, 2026

U Rack Dimensions — What Is U in Server Rack?

A “U” rack dimension stands for a rack unit and refers to the height of a device that can be mounted in the server rack. One U equals 1.75 inches (or

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1U Rack Mount PC | 1U Rackmount Computer | 1U Rackmount Server ...

Configure your own 1U Rackmount computer and 1U server to your specifications. Our rack mount pcs feature Intel CPUs Customize your 1U server today with SuperLogics!

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Unlocking the Potential of 1U Rack Servers: A

A 1U server is a computer system with processing power that can be contained in one or more chassis. It includes a 19-inch server rack and is 1.75

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1U Chassis

The 1U chassis support multiple configurations include SATA hard drives, rackmount chassis and redundant power supply that fulfill server-grade IPC

Aug 25, 2025

### 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

Jul 26, 2026

Standard Server Rack Dimensions: Depth, Width,

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

Nov 05, 2025

### 1U Dual Processor Rackmount Servers | Supermicro

Experience the power and efficiency of 1U Dual Processor Rackmount Servers. Compact, yet robust, these servers are perfect for handling diverse, high-demand workloads.

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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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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

Feb 01, 2026

How Many Servers in a Rack — A Complete Guide to

How Many Servers Fit in a Standard Rack Theoretically, a 42U rack can accommodate: 42 servers in 1U format, 21 servers in 2U format, 10 servers

Aug 16, 2025

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. [🔗](#)

Sep 22, 2025

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

May 27, 2026

What is U Height: Rack Units Explained

Rack Units (U Height for 1U,2U,4U rack server) Historical Perspective on Rack Units  
The concept of rack units is rooted in the EIA-310

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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

Apr 02, 2026

1U RACK server cases – pros, cons, applications

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

Sep 17, 2025

1U Rack Size in mm: 44.45mm Standard Explained

This report provides the technical specifications for the 1U rack unit standard in millimeters, analyzes market trends for rack-mounted infrastructure, and evaluates key product

Nov 08, 2025

What You Need to Know About 1U Chassis Dimensions for High

Understanding 1U chassis dimensions is essential for ensuring optimal fitment, in high-density networking applications; this article confirms that carefully engineered 1U enclosures meet strict size

May 27, 2026

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

Sep 24, 2025

1U/2U/4U (Rack Unit) – Definition & Detailed Explanation

I. What is a 1U/2U/4U (Rack Unit)? 1U, 2U, and 4U are terms used to describe the height of a piece of equipment designed to be mounted in a standard 19-inch server rack. These

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### Configure 1U Rackmount Servers | Puget Systems

Our 1U rackmount servers provide dense CPU compute performance and are available with either Intel or AMD processors to best match your application.

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### 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

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### Server Chassis: The Main Case For Your System

1U Server Chassis: The smallest standard rackmount size, 1U server chassis are 1.75 inches high. They are ideal for maximizing density in space

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

Discover the essential guide to 19-inch rack sizes and dimensions for servers and rackmount PCs. Learn about standards, specifications, and best practices today!

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### 1U Rack Server Cloud Data Center Premium Intel

Servaris 1U Rack Servers provide you with the latest Server Technologies in terms of Reliability and Performance which is essential for Cloud Computing. Servaris 1U Rack Servers are ideal as Web

Mar 16, 2026

### Server Rack Size Guide: Choosing the Right Rack for

One rack unit equals 1.75 inches (44.45 mm). This standardization allows data center managers to plan their space with precision, knowing exactly

## Contact Us

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