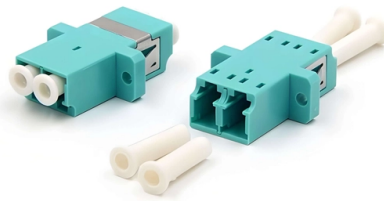


Dimensions of a 1U Standard Chassis for Broadcast Transmission



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. For example, a typical full-size rack cage is 42U high, while equipment is typically 1U, 2U, 3U, or 4U high. The rack unit size is based on a standard rack specification as defined in EIA-310. SBx-1 chassis are available in depths of 9 1/2", 12", 15", 19", 24". It is secured by countersunk screws. The "U" Definition: A "U" is the universal unit of measurement for vertical space in server racks. Industry Standard: This measurement is governed by the EIA (Electronic Industries Alliance) to ensure. PPC's Ultra-High Density (UHD) Chassis is a modular, standards-based, pre-terminated distribution platform designed to increase port density, improve connector access, and efficiently utilize valuable rack space in data centers. The UHD Chassis, in its basic configuration, will serve 72 LC ports per. How To Choose 1U Rack Dimensions?

Selecting the right 1U equipment involves more than just verifying a height of 1. A strategic approach ensures compatibility, performance, and long-term value. Consider both the physical specs and the supplier's capabilities to make an informed decision.



Article Content

Nov 10, 2025

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

Nov 17, 2025

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.

Dec 06, 2025

How to Choose the Perfect Rack mount Server Case: Understanding 1U

The “U” in 1U, 2U, 3U, and 4U rackmount chassis refers to a standard unit of measurement (1.75 inches or 44.45 millimeters) that defines the height of the server case.

Feb 25, 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

Apr 10, 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

Oct 20, 2025

1 U Rack Dimensions: Standard Sizes Explained

Find the exact 1 u rack dimensions for server and equipment installation. Learn standard sizes, depth, and width to ensure compatibility. Click to explore top-rated options now.

Jul 18, 2025

UHD Chassis Spec Sheet

Overview PPC's Ultra-High Density (UHD) Chassis is a modular, standards-based, pre-terminated distribution platform designed to increase port density, improve connector access, and efficiently

Feb 19, 2026

1U Chassis Images

Our "1U" chassis is available in depths of 9.5", 12", 15", 24" and 26". Chassis are available with a perforated top, a solid top, or a heavy cover. 1 CHAx-1 (sides and

Mar 21, 2026

1U Technical Specifications

The 1U panel size is based on the 3U size scaled down to fit in a 1U row. See the diagram below: The details of the panel hole spacing for the panels of 1U

Apr 15, 2026

Data Center Rack Standards

Data center rack standards are widely used throughout the telecommunication, computing, audio, entertainment and other industries.

Oct 21, 2025

UHD Chassis Spec Sheet

The UHD Chassis, in its basic configuration, will serve 72 LC ports per 1U (144 fibers) for all network topologies including 10G, 40G and 100G deployments utilizing high performance 8-fiber, 12-fiber and

Jul 23, 2025

TCRM19DR JumboSwitch 19" 1 Rack Unit High Chassis

The JumboSwitch® 1U rack mount cages are designed to hold JumboSwitch® family hot-swappable card. The TCRM19DR holds one Main+Management combo card

Dec 15, 2025

Understanding Rack Mount System Sizing

Some companies also use 1RU instead of just using 1U to represent the height of a rack mount system. These heights are maximum dimensions.

May 16, 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:

Jun 22, 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

Oct 06, 2025

19" Rack Mount Steel Chassis, 1U Height and 300mm

Pre-drilled and assembled 1U rackmount enclosure for easily mounting projects on a standard 19" rack. Heavy-duty steel chassis with pre-drilled aluminum face.

May 11, 2026

1U Chassis -19 Inch Rack Mount

1U chassis is one of the best selling case for 19inch rack mount chassis, we not only have 1U/2U/3U/4U server case, but can manufacture different sizes according to

May 22, 2026

Rackmount Mart

Selection of rackmount chassis, 1U, 2U, 3U, 4U, 5U, 6U, 7U, 8U rackmount, rackmount monitor, rackmount lcd, kvm, keyboard drawer, kvm switch, disk array,

Jul 16, 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.

Dec 24, 2025

Rack unit

The standard was adopted worldwide as IEC 60297 Mechanical structures for electronic equipment – Dimensions of mechanical structures of the 482.6 mm (19

Mar 19, 2026

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

Feb 16, 2026

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

Learn what a rack unit (U) is, how rack unit height is measured, and why it's essential for server and battery installations. Includes a rack U to inches

Dec 30, 2025

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

Apr 28, 2026

Rack Specifications

Standard 19-inch (48.3 cm) (two- or four-post EIA cabinet or rack, with mounting rails that conform to English universal hole spacing per section 1 of ANSI/EIA-310-D-1992). For more information, see

Feb 08, 2026

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

A maximum of 4 hard drives can be inserted in 1U, and 8 in 2U. In addition, the numbers of PCI slots are also different, with a maximum of 2 in 1U

Nov 11, 2025

1U Short Depth Server Chassis | U-Rack

U-Rack's 1U short depth server chassis packs a punch despite its compact size. Boasting a unique and modern design, it seamlessly integrates into space

Jul 15, 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

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.moletenare-ew.co.za>

Email: info@moletenare-ew.co.za

Phone: +86 138 1658 3346

Address: Ningbo, China

This document is for informational purposes only. Specifications subject to change without notice.

