

# **1U Standard Chassis Mounting Hole Spacing**





## Overview

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Holes are grouped in sets of three, with each group representing one Rack Unit, commonly called 1U. The spacing is measured center-hole to center-hole and remains consistent whether the rack has square or round mounting holes. Our 4-hole rail design gives your gear 1/2RU vertical spacing for improved ventilation in your 19-inch rack. You'll get the precise, standardized dimensions of a 1U server rack unit — including height (1.26 cm), mounting hole spacing, and critical clearance allowances — plus actionable guidance on verifying physical fit, avoiding common installation errors, and selecting.



## 1U Standard Chassis Mounting Hole Spacing

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

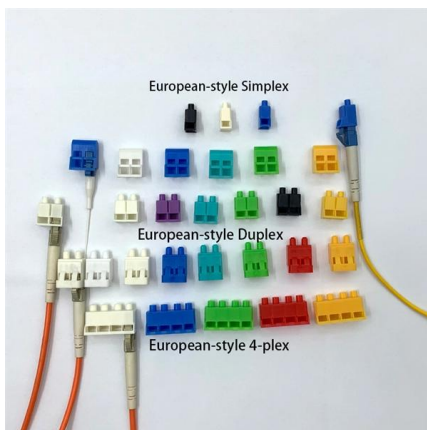
Rack Hole Spacing for Rack Unit Mounts EIA-310 also sets the specifications for the hole spacing, both vertically and horizontally of rack units

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### 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,

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### What is "U" height? Rack Units explained

The total rack unit is measured from the middle of the rack's top hole of the previous U space to the top hole of the current U space. Spacing between

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### Understanding U Space, and Why It's Important

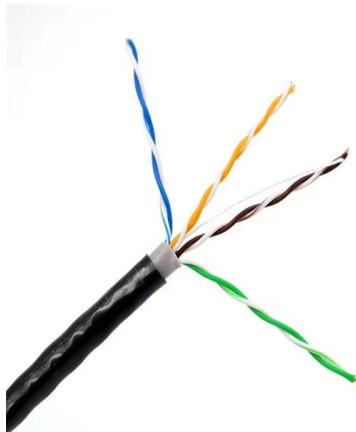
Horizontal PDUs, also known as "rackmount PDUs," are installed the same way as servers - mounted horizontally inside a rack and typically measure



### Understanding Global Rack Standards: ANSI/EIA RS

Hole spacing and panel mounting This standard ensures dimensional alignment for rackmount servers, network switches, and other 1U/2U equipment

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### What Are Server Rack Sizes and Why Do They Matter?

Explore server rack sizes and learn about the three critical dimensions--height, depth, and width--essential for optimizing your data center

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### Microsoft PowerPoint

Location Most rack mounts conform to the EIA 310-D (RETMA) standard, which provides mounting holes on two vertical support rails which are separated by 19" (480 mm). This standard provides separation

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## Rack Mounting FAQ

Rack mounting rails without pre-defined mounting positions are available as extruded aluminum profiles. Also, popular structural framing systems "T-Slot" and "V-Slot"

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## Standard Rack and EIA-310 - Aeons , Empowering Digital Infrastructure

Server racks can range from 1U types, typical of small home or office wall-mount racks, to large 48U enclosures intended for high-density data center operations. Vertical hole spacing is

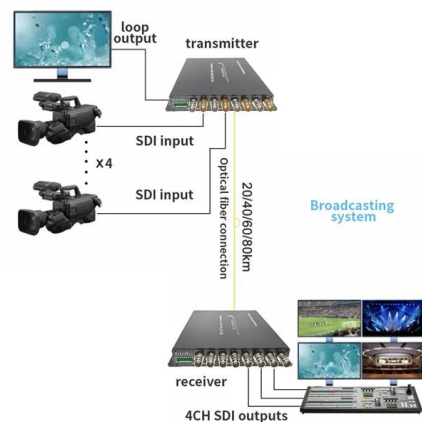
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## 19-Inch Rack Size and Dimensions Explained: The Complete Guide to

To ensure long-term compatibility, several international rack standards have been introduced: EIA-310-D - Defines the official 19-inch rack width, height unit (U) of 1.75 inches (44.45

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## Racks FAQs , Answers to common questions about Racks

What is the standard rack horizontal hole spacing? , Racks The horizontal spacing of the vertical rows of holes is specified by EIA-310 at 18 5/16? (18.312? or 465.1 mm). However, many manufacturers use

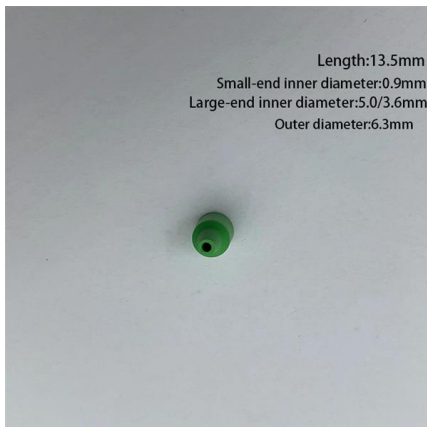
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## 1U Rack Monitoring: Maximizing Your Rack Space

1U Rack Monitoring: How to Maximize Remote Telemetry Unit (RTU) Value 1U indicates the height of a rack-mountable piece of equipment. It's typically installed

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## Order of the Bath » Rack mount equipment

Rack mount equipment In the computing, telecoms and professional audio/video business the 19" rack is ubiquitous for mounting equipment. This standard,

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## What Does the Rack Unit U Mean in Server Racks

Understanding their pattern makes working with racks much clearer. What is a Rack Unit (U)? Just as a quick recap: Think of a Rack Unit (U) as the



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## 1U Rack U Rackmount Measurements , Comms

1U is a standard rack unit measurement. U designates rack height and the vertical space available for devices. 1U is equal to 1.75 inches.

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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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### Ordering information

| NO.                                           | 1              | 2               | 3               | 4              | 5               | 6               |
|-----------------------------------------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|
| Model                                         | SP2001         | SP2002          | SP2004          | SP2005         | SP2006          | SP2008          |
| Product name                                  | Patch Panel    | Patch Panel     | Patch Panel     | Patch Panel    | Patch Panel     | Patch Panel     |
| Illustration                                  |                |                 |                 |                |                 |                 |
| HU                                            | 1              | 2               | 4               | 1              | 2               | 4               |
| Maximum number of ports                       | 144            | 288             | 576             | 144            | 288             | 576             |
| Product size (including modules and adapters) | 482.0*100*74mm | 482.0*100*148mm | 482.0*100*296mm | 482.0*100*74mm | 482.0*100*148mm | 482.0*100*296mm |
| Standard color code                           | RAU3005        | RAU3005         | RAU3005         | RAU3005        | RAU3005         | RAU3005         |
| Inventory                                     | 2              | 2               | 2               | 2              | 2               | 2               |

## 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. ?

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## 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

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## Standard EIA Openings On 19" Racks , A & J Manufacturing Co.

Mounting Rails: EIA-310 outlines the dimensions for mounting rails, including the hole spacing for rack-mounted devices. This typically includes vertical and horizontal holes for standard 1U units (1.75-inch

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## How big is a "U" when measuring rack size? , CyberPower

A rack unit, U or RU is a unit of measurement that describes the height of equipment designed to mount in a 19" rack. Racks offer room for equipment that is 19" wide, and have variable heights, which are

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## 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

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## Designing SLIDES

A standard 17.72" [450 mm] opening is the minimum width between the rails. Rails carry a repetitive pitch pattern of mounting holes. 1.75" [44.45 mm] or "1U" is the universal spacing increment and

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## Microsoft PowerPoint

Installing the system chassis in a rack mount enclosure requires some planning for issues such as location, spacing, airflow and power supply. These issues are reviewed below. EIA 310-D (RETMA)

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## 1U Technical Specifications



The details of the panel hole spacing for the panels of 1U modules are given in the diagram below:

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### Rack Rail Hole Spacing Explained

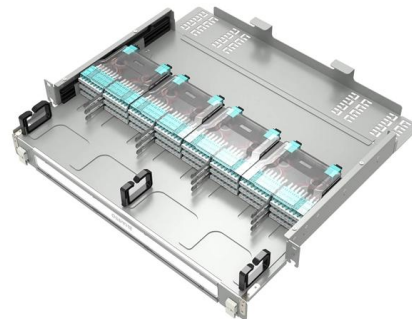
Standard 19-inch racks use a specific hole pattern on the mounting rails. Holes are grouped in sets of three, with each group representing one Rack Unit, commonly

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### Rack Mounting 101

First things first, here is a basic introduction to rack mounting, including an explanation of "U-Space": Your server (s) will be mounted in the rack. A rack is a metal framework that houses

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