12u Network Rack Dimensions



Overview

UniFi 12U Rack Cabinet Fully assembled, compact and wall-mount rack cabinet with glass front, dual fans, and removable side panels. 12U Server Rack Cabinet.

Key Takeaways

A standard 12U network rack is 21 inches (533.4 mm) high, 19 inches (482.6 mm) wide, with a depth ranging from 20 inches (508 mm) to 36 inches (914.4 mm) depending on the model.

Height

The height of a 12U rack is calculated based on the standard rack unit (U), where 1U equals 1.75 inches (44.45 mm). Therefore, a 12U rack has a total height of 21 inches (533.4 mm), providing space for 12 rack-mounted devices.

Width

Most 12U racks are designed to accommodate 19-inch EIA-standard equipment, which translates to an external width of approximately 19 inches (482.6 mm) for the mounting rails. The overall cabinet width may be slightly larger, typically around 550 mm to 600 mm, to allow for side panels and ventilation.

Depth

The depth of 12U racks varies depending on the intended use and manufacturer: Shallow wall-mount racks: 17–20 inches (432–508 mm) for switches and patch panels. Medium-depth racks: 24 inches (610 mm) for general networking equipment. Deep racks: 35–36 inches (889–914 mm) for servers or larger devices requiring more cabling space.

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Additional FeaturesWall-mount vs floor-standing: Wall-mount racks are compact and ideal for small spaces, while floor-standing racks can support heavier equipment. Weight capacity: Typically ranges from 40 kg (88 lb) for light wall-mount enclosures to 200 kg (440 lb) for heavy-duty steel cabinets. Ventilation and access: Many 12U racks include vented panels, removable side panels, and fan mounting provisions to maintain airflow and cooling.

Door options: Glass or solid doors with lockable mechanisms are common for security and visibility.

Summary

When selecting a 12U network rack, consider the height (21 inches), width (19 inches), and depth (20–36 inches) based on your equipment size and installation space. Additional factors like weight capacity, ventilation, and wall-mounting options will ensure proper fit and functionality for your networking setup.

Article Content

UniFi 12U Rack Cabinet

Fully assembled, compact and wall-mount rack cabinet with glass front, dual fans, and removable side panels.

12U Server Racks & Cabinets for Data Network, price ⚡

How to Choose The Model?Benefits of Choosing A 12U RackExamples of Use Cases of 12U Server CabinetInstallation and Maintenance TipsFAQThe first step is to measure your available space to determine the U size of a cabinet that will fit your needs. 12U network racks are generally the most popular choice, but there are other sizes available: 9U, 18U, 22U, 42U and more. Beyond the required size, you will also need to consider the following factors: 1. the capacity; 2. the type of har...See more on sysracks Offer Count: 10Price Range: $130 - $877D-Link

NWR-12U-5545-GR - 12U 550W 450D Wall Mount Steel Enclosure in

D-Link Wall Mount Enclosures specially designed for small networking, domestic applications, Audio Video, Telecom and Lab applications. Enclosures are fabricated out of CRCA steel, CNC

Server Rack Sizes & Dimensions Guide 2026

Common server rack sizes are 19-inch width, heights like 42U or 48U, and depths from ~24″ to 48″. Choose size based on equipment type, cooling, space, and future growth.

12U 600 x 600

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These racks are multi-functional rack enclosures designed to meet current IT market trends and applications ranging from high density computing and networking to broadcast and audio-video.

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

12U Wall Mount Network Cabinet

FS wall mount network cabinet consists of convenient cable access openings, top cooling vents, vented glass front door, lockable/removable side panels and 4 vertical posts. It is designed to house

12RU Wall Mount Server Racks | 12RU Data Cabinets

Choose from 600 mm wide by 450 mm and 600 mm deep. All 12RU wall mount server racks & 12RU data cabinets include free shipping & come supplied fully assembled as a complete all in one

12U Server Rack Cabinet, Server-Depth, Wall-Mount

Wall-mount cabinet secures and organizes 12U of 19-inch rack equipment in network closets, classrooms and other locations with limited floor space. Houses

NWR-12U-5545-GR

Wall Mount Rack NWR-12U-5545-GR 12U 550W 450D Wall Mount Steel Enclosure D-Link Wall Mount Enclosures specially designed for small networking, domestic applications, Audio Video, Telecom

SmartRack 12U Low-Profile Switch-Depth Wall-Mount Small Rack

Description The SRW12U SmartRack 12U Low-Profile Switch-Depth Wall-Mount Rack Enclosure Cabinet is designed to house EIA-standard 19-inch rack equipment in network wiring closets, retail

12U rack cabinet, 19", wall-mounted, glass door, 450mm d.

Wall-mounted rack cabin with a 12U working height and a depth of 370mm from the mounting bars to the rear wall of the cabinet. Glass doors, removable sides and

12U Rack Dimensions and Layout Drawing

The document contains diagrams and specifications for a 12U rack. It includes a top view, isometric view, side view, and front view of the rack, showing its external dimensions. An internal diagram then

NavePoint 12U Server Rack Enclosure with Glass Door

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NavePoint 12U Server Rack Enclosure with Glass Door, Cooling Fan, Locks, & Removable Side Panels - 12U Wall Mount Network Cabinet 19 Inch Rack 17.7"

SmartRack 12U Heavy-Duty Low-Profile Server

Description The SRW12UHD SmartRack 12U Heavy-Duty Low-Profile Server-Depth Side-Mount Wall-Mount Rack Enclosure Cabinet is designed to house EIA-standard 19-inch rack equipment in

12U Server Rack Cabinet, Low-Profile, Patch-Depth, Wall-Mount | Eaton

Wall-mount cabinet secures and organizes 12U of 19-inch rack equipment in network closets, classrooms and other locations with limited floor space. Houses patch panels and shallow network

RackPath 12U Open Frame Network Rack with 2X 14in Vented 1U

Amazon : RackPath 12U Open Frame Network Rack with 2X 14in Vented 1U Shelves Rear Support, Wall Mount/Floor Standing Network Cabinet, Heavy Duty 150 lbs Capacity for IT & AV Gear, Audio

12U mini server rack with glass door 600x800x720mm (WxDxH)

Buy 12U mini server rack with glass door 600x800x720mm (WxDxH) The server cabinet specialist! Fast delivery Competitively priced Good support (chat / telephone)

12U Server Rack Cabinet, Server-Depth, Wall-Mount, Window | Eaton

Wall-mount cabinet secures and organizes 12U of IT equipment in network closets and other locations with limited floor space. Extra deep to accommodate 1U servers, UPS systems, battery packs and

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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