Dimensions of a 19-inch Server Rack Power Distribution Box



Overview

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 rack.

Key Takeaways

A standard 19-inch rackmount PDU typically fits 1U of vertical space, has a front panel width of 19 inches (482. 6 mm), and a depth that varies depending on the model. Standard 19-Inch Rack DimensionsWidth: The front panel of a 19-inch rack or PDU is standardized at 19 inches (482.

6 mm), including the mounting ears that attach to the rack rails. The internal spacing between the rails is slightly narrower at 17. 75 inches (451 mm) to accommodate equipment bezels and handles.

Height: Rack-mounted equipment height is measured in rack units (U), where 1U = 1. 75 inches (44. 45 mm).

Most PD

Us, including the Intellinet 8-outlet PDU, occupy 1U of vertical space. Depth: Unlike width and height, depth is not fully standardized. Typical rack depths range from 600 mm (24 inches) to 1200 mm (47.

2 inches).

PD

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Us are generally shallower than servers, often around 100–200 mm (4–8 inches), but exact depth depends on the manufacturer and model. Mounting and InstallationPDUs are designed to mount directly to the front or rear vertical rails of a 19-inch rack using screws or clip-in fasteners. The rail-mounting holes on the rack are spaced according to the EIA-310 standard, with vertical hole spacing in sets of three: 15.

9 mm, 15. 9 mm, and 12. 7 mm, totaling 44.

45 mm per rack unit. Power distribution units require a dedicated AC line, typically 200–240 V AC at 30 A, to support connected equipment. Example: 1U 19-Inch PDUThe Intellinet 1U 8-outlet PDU features: Height: 1U (1.

75 inches / 44. 45 mm)Width: 19 inches (482. 6 mm)Depth: Compact aluminum housing suitable for standard racksOutlets: 8 EU Type E/F outletsMounting: Front-mountable with standard rack screwsAdditional features: Illuminated on/off switch with protective hinged cover By following these dimensions and standards, a 19-inch PDU will fit securely in standard server racks, ensuring compatibility with other rack-mounted equipment and efficient use of vertical space.

Article Content

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!

Server Racks | 19" Enclosures | Wall Boxes

They design racks to fit equipment that is 19 or 23 inches wide. This uniformity allows users to mix and match equipment from different vendors, knowing the rack structure will physically fit the equipment.

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.

Add sixteen power outlets to a 19in server rack or cabinet

RACK MOUNTABLE: 1U horizontal rackmount PDU for EIA-310-compliant 19-inch server racks/cabinets that are 4in (10.1cm) or deeper; Made of cold-rolled steel w/textured finish for sturdiness & long

Rack specifications

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Each Power Distribution Bus installed in a rack requires a dedicated power line of 200 to 240 V ac and 30 A. Rack or cabinet power distribution devices must meet the drawer power requirements, as well

PSR269GS

The construction of these units is made using black powder-coated aluminum fitted with steel 19” mounting ears on each side. The total height covers a single 19” rackspace, allowing it to be installed

19-inch rack

Each module has a front panel that is 19 inches (482.6 mm) wide. The 19-inch dimension includes the edges or ears that protrude from each side of the equipment, allowing the module to be fastened to

Tecmojo 1U Rack Mount 19 Outlet PDU Power Distribution Unit

Amazon : Tecmojo 1U Rack Mount 19 Outlet PDU Power Distribution Unit Circuit Breaker fits 19-inch AV/Network/Server Cabinet/Closet/Enclosure : Electronics Amazon Return Policy:

Key Considerations for Selecting 19-Inch Server Racks

Key Considerations for 19-Inch Rack Selection. Learn about the dimensions and factors to consider when choosing a 19-inch server rack for your specific application.

Intermodal container

Intermodal containers exist in many types and standardized sizes, but 90 percent of the global container fleet are "dry freight" or "general purpose" containers:

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

Scalability for growing IT or industrial environments Support for accessories such as cable management arms, power distribution units and airflow containment. In modern IT and

Understanding 19-Inch Server Rack Sizes: A

Explore our comprehensive guide on 19-inch server rack sizes. Learn everything you need to know about rack space, mountable units, and optimizing

Power Distribution Panels

However, they are specifically designed for mounting onto Electronic Industries Association (EIA) compliant 19" racks accommodating preferred 482.60 mm standard panel widths and the modular

Power Distribution Units | Reliable Rack Power & PDUs

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Power Distribution Units Optimize power delivery and control within your 19-inch racking systems with Penn Elcom''s comprehensive range of power distribution

Comprehensive Guide to 19-Inch Server Racks for Beginners

This guide is your gateway to mastering the fundamentals of 19-inch server racks, from their standard dimensions to the intricacies of installation. We''ll delve into the EIA-310-D standards,

Rack PDU

Shop Rack Power Distribution Units (PDUs) at Server Racks Online. Explore rack-mounted, vertical, horizontal, intelligent, and surge-protected PDUs for server racks. Perfect for IT and data centers,

19 Inch Rack

Explore 19 inch rack specifications, cabinet designs, and mounting standards to find the right server enclosure for your equipment needs.

What is a 19 inch rack?

A 19 inch width is standard for servers and the racks that mount them. Learn how the EIA came to this conclusion and how it helps.

Contact Us

Continue your research online:

Website: https://fdsoluciones.es
Technical inquiry: https://fdsoluciones.es/project-enquiry.html

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

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