

Article Overview

A 19-inch server rack has a standardized width of 19 inches (482.6 mm), with variable heights from 18U to 48U and depths ranging from 600 mm to 1200 mm, suitable for mounting servers, networking, and industrial equipment.

Standard Dimensions

- o Width: 19 inches (482.6 mm) front panel, with internal rail spacing of 17.75 inches to accommodate server bezels and handles, following EIA-310 standards .
- o Height: Measured in rack units (U), where 1U = 1.75 inches (44.45 mm). Common rack heights include 18U, 24U, 36U, 42U, and 48U .
- o Depth: Typically ranges from 600 mm to 1200 mm (24-48 inches), chosen based on equipment depth, cooling requirements, and cable management .

Material and Construction

- o Constructed from cold-rolled steel with powder-coated finishing for durability .
- o Equipped with lockable front and rear doors, often with toughened glass or perforated steel for airflow and security .
- o Includes adjustable shelves, fans, and casters for mobility and ventilation, with fan configurations depending on rack depth (e.g., 2 fans for 600 mm depth, 4 fans for 1000 mm depth), .

Compatibility and Standards

- o Compliant with ANSI/EIA RS-310-D, IEC 60297, DIN 41494, and ETSI standards, ensuring interoperability with global rack-mounted equipment .
- o Supports servers, switches, patch panels, UPS units, and industrial control devices.
- o Designed for modular installation, allowing multiple devices to be stacked vertically while maintaining airflow and cable organization .

Additional Features

- o Front and rear doors can be reversible and quick-release for easy access.
- o Cable management arms and power distribution units can be integrated.
- o Load-bearing capacity should be verified for heavy equipment like UPS systems.
- o Perforated doors enhance cooling efficiency, especially in high-density data centers . These specifications make 19-inch server racks a versatile and standardized solution for IT infrastructure in Libya, suitable for data centers, telecommunications, and industrial applications.

Libyan server rack 19-inch specifications

Orion is a leading manufacturer of 19-inch rack cabinets, server racks and rack accessories. Available in a

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

Choosing the right rack means securing your equipment, streamlining your cable management, and planning for the future. Our 19

Unveil the secrets behind 19-inch server rack design and maximize your server room space. Learn how to make the

This guide is your gateway to mastering the fundamentals of 19-inch server racks, from their standard dimensions to

RackMatic MobiRack HQ 19-inch rack cabinet. This 24U rack has external dimensions of 600mm (width) x 1000mm (depth) x 1250mm

Discover our 19-inch network and server rack range today and optimise your IT infrastructure. Use our server cabinet configurator

Accessories available for server racks There are a whole range of rack accessories available for different applications including:

Explore our comprehensive guide on 19-inch server rack sizes. Learn everything you need

These 19 -inch Racks are built to last and are available in either 2 and 4 post rack options. These racks are designed to support a

Size specification in inches. What are inches? 1 inch is the metric equivalent of 25.4 mm. In the USA and Europe, cabinets and racks

Choosing the right rack depth is crucial for cooling efficiency in the server room. The 42U standard rack

The rack or cabinet must meet the EIA Standard EIA-310-D for 19-inch racks. The front rack opening must be 451 mm wide + 0.75

Discover the essential guide to 19-inch rack sizes and dimensions for servers and rackmount PCs. Learn about



Libyan server rack 19-inch specifications

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