

19-inch standard chassis configuration



Overview

This guide gives you a clear, practical overview of 19-inch industrial chassis design, the differences between steel and aluminium, key finishing methods, and what to consider when selecting or customising an enclosure for your application. What Makes the 19-Inch Standard . A 19-inch rack is a globally standardized frame used for mounting servers, network equipment, industrial controls, and audiovisual equipment. Originally defined by the EIA-310 standard, the rack specifies a front panel width of 19 inches (482.6 mm). The 19 inch dimension includes the edges or ears that protrude from each side of the equipment, allowing the module to be fastened. The 19 inch chassis (482.6 mm width) ensures global compatibility across industries. Surface finishes like powder coating. Most professional server racks follow the EIA-310 standard, which defines: These standards make it possible for any 19-inch compatible device to fit securely within the rack, regardless of brand. This seemingly arbitrary dimension has a fascinating history. 75 inches instead of 2 inches. Expertise in electronic packaging of demanding electronic system. Elma implements quickly and easily scalable, robust 19" subracks, card cages or rackmount chassis for the use in just about any industry or environment: Industrial automation, test & measurement, transportation, energy, defense.



Article Content

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A Definitive Guide to 19-Inch Server Rack Sizes | Everpure

19 inches is the standard width of a mountable server rack. In this guide, we'll cover everything you need to know about sizing rack

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19" Rackmount Chassis Platforms | Sarsen Technology

19" Rackmount Product comparison 19" Rackmount Chassis Platforms The rackmount systems we supply and support are designed

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19" rackmount chassis | Newegg

2U server chassis, standard 19-inch rack-mounted server chassis, front panel, mounting ears and handles are aluminum profiles/

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Rack specifications

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

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19-inch rack

The 19-inch (482.6 mm) standard rack arrangement is widely used throughout the telecommunications, computing, audio, video,

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19" Rack Mount Enclosures

19 inch rack mount cases in 1U, 2U, 3U, 4U, and 6U heights for mounting directly onto 19" racks and cabinets. Customization of

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Custom Rackmount Chassis Built to Your 19-Inch System Design

Custom rackmount chassis with controlled rack fit, front-panel alignment, internal mounting and finish for prototypes and OEM

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Rack unit

Rack with sample component sizes including an A/V half-rack unit A rack unit (abbreviated U or RU) is a unit of measure defined as

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Rack Mount Dimensions: 19-Inch Standard Guide for Equipment

Complete guide to rack mount dimensions: 19-inch racks mounting standards for equipment. Expert metal chassis manufacturer

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19" rack chassis | Newegg

19 inch standard rack mounted 2U server chassis Case industrial control computer case with silent, dust-proof, ultra short 300mm

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19" Atlas chassis

ATLAS" chassis are made by ATOS and specially designed to allow the integration of non-standard components: - Batteries, power

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19" Chassis and Subracks

19" CHASSIS AND SUBRACKS Elma Electronic's family of 19" subracks and chassis products and years of customer experience

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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

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19" chassis

The TPS 2U Chassis (BJ9900002) is a standard 19 -inch rack-mount power supply chassis for industrial use, suitable for servers,

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19 Inch Rack | Industrial Computer and Components from ICP IEI

19-inch rack enclosures provide a standardized way to securely mount and manage electronic components. With a width of 19 inches

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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

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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

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19" Rackmount Chassis for VPX, VME | Elma Electronic

Chassis Platforms Product Type 19" Rackmount Powerful 19" rack-mount chassis platforms from commercial grade to full MIL-STD

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19-inch rack

A 19-inch rack is a standardized frame or enclosure for mounting multiple electronic equipment modules. Each module has a front

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Interscale 19" Rack Mount Chassis, Non-Perforated, 2 U, 84 HP, 310 mm

Flexible 19" Chassis with integrated EMC protection. Based on the nVent SCHROFF Interscale platform and developed in

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19 Inch Rack Enclosure: Sizes, Types & Selection Guide

A 19 inch rack enclosure, is a standardized cabinet or frame for mounting rack-mountable electronic equipment. The "19 inch"

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Rackmount chassis Server case 19 inch ATX microATX 3U N323

3U Compact Rackmount ATX Chassis support ATX Power Supply Stylish Aluminum front bezel and handles 2 x 5.25" + 1 x 3.5" (ext.)

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How To Choose The Right 19 Inch Rack Mount Chassis

19 inch rack mount chassis are an essential component in data centers, server rooms, and other IT environments.

Mar 19, 2026

19" Subracks – Elma Electronic

Elma implements quickly and easily scalable, robust 19" subracks, card cages or rackmount chassis for the use in just about any

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Designing for Success: Essential Aspects of 19-Inch Rackmount

Designing a 19-inch rackmount enclosure involves key aspects like optimal space utilization, cooling solutions, and

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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

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2U Server Chassis, Standard 19-Inch Rack-Mounted Server Chassis,

Dimensions: depth 400mm × width 428mm × height 88.5mm, standard 19 "rack-mounted server chassis. Material: Eco-friendly,

Dec 29, 2025

Server Rack Standard Dimensions, Depth Options & Selection

Server Rack Cabinet Sizes: Standard Dimensions, Depth Options, and Selection Guide
Learn standard server rack

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19 inch Rack | Essential Guide to the 19-Inch Data Rack Standard in ...

The 19-inch rack supports hardware configurations in data centres and other facilities. IT equipment comes in standard dimensions.

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Atlas Chassis

Atlas Chassis DIMENSIONAL CHARACTERISTICS Heights: 2U to 6U (or more depending on front) Width: 19" (chassis width 429

Contact Us

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