Vertical Network Cabinet Dimensions and Specifications



Overview

TS IT Rack Guide Specifications Each U consists of three holes and measures 1.75” or 44.45 mm high. Each U space marking will be printed, not adhesive back.

Key Takeaways

Vertical network cabinets are modular enclosures designed to house IT and networking equipment, typically available in various heights, widths, and depths, with features for airflow, cable management, and secure mounting.

Standard Dimensions

Height: Vertical cabinets are often measured in rack units (RU), with common sizes including 8RU, 12RU, 24RU, 42RU, and higher for floor-standing models. Width: Standard widths are 19 inches for rack-mounted equipment, with some cabinets supporting 21” or 23” rails for specialized setups. Depth: Depths vary from 18 inches (wall-mount) to 30 inches or more (floor-standing) to accommodate servers, switches, and storage devices.

Load CapacityWall-mounted vertical cabinets typically support up to 150 lbs for compact edge computing setups. Floor-standing cabinets can handle static loads up to 3000 lbs, suitable for dense server configurations.



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Construction and Materials

Cabinets are generally made from sheet steel or aluminum, with powder-coated finishes in black or white. Doors may be perforated or vented to allow front-to-rear airflow, with hinge options allowing up to 180° opening and reversible mounting. Side panels can be screw-fastened or quick-release, often with security locks and optional internal latches.

Cable and Power Management

Vertical cabinets include integrated cable management, such as vertical cable managers, plastic cable rings, and trays adjustable in depth. Power distribution units (PDUs) can be mounted in Zero-U space or on rear rails, optimizing space and airflow. Many cabinets allow tool-less installation of cable trays and accessories for flexible configuration.

Airflow and Cooling

Cabinets are designed to minimize air leakage and optimize cooling efficiency, often with perforated doors and optional airflow management packages. Some models separate cold and hot air paths to enhance energy efficiency and prevent recirculation. Mounting and AccessibilityWall-mount cabinets sit close to the wall (e.g., 18 inches) while still supporting deep equipment.

Floor-standing cabinets are bayable on all sides, allowing contiguous rows without increasing overall width. Doors can open 60° to 180° depending on standalone or connected configuration, providing easy access for maintenance.

Compliance and Standards

Cabinets comply with UL 94 HB, V0, or V2 for plastic components and meet RoHS material restrictions.

Standardized DI

N 25 mm pitch mounting holes ensure compatibility with most rack-mounted IT equipment. Vertical network cabinets are highly modular, allowing customization for height, depth, cable management, airflow, and security, making them suitable for both edge computing and full-scale data center deployments.

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Article Content

TS IT Rack Guide Specifications

Each U consists of three holes and measures 1.75” or 44.45 mm high. Each U space marking will be printed, not adhesive backed. 7.8 All depth stays with integral pitch pattern for fast determination of

SERVER AND NETWORK CABINETS

Locking front and rear doors with perforation for airflow. Horizontally split, locking, side panels make access easy. Vertical cable/PDU managers (two) included. Square hole mounting rails are adjustable

8U Vertical Server Cabinet

MOUNT YOUR SERVERS VERTICALLY: This 8U vertical wall mount server rack cabinet features a space saving low profile design & provides up to 30" of

TECHNICAL DATA SHEET SERVER CABINET

well as vertical cable management. It features three vertical patterns of key holes fo placement of toolless mount PDU''s. The pitch of the key holes is 7U and therefore fits to most PDU''s available in

6U Vertical Server Cabinet

STURDY DESIGN: To help keep your equipment secure, the vertical vented 6U wall mount data rack cabinet features a sturdy metal design and a lock on both the

Technical data sheet for Rittal 42U Server Cabinet

Universal profile rails for server, network and electronic applications Height unit markings Depth variable profile rails All height units marked on the profile rails and numbered in opposite directions Multi-part

Network Cabinets Enclosures

Removable top and side panels ty construction and design. Hubbell''s network cabinets combine a static load rating of up to 2,000 pounds with full welded steel construction. The enclosures provide a solid

Server Racks and Cabinet Sizes | Server Room Environments

Our offerings include a variety of cabinets and racks with detailed specifications such as server cabinet sizes, comms rack sizes, data cabinet sizes, and data center cabinet sizes. We also provide

Network Rack Cabinets

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Features & Specifications Standard 19” Network Rack Cabinets. Available heights include: 18U, 22U, 27U, 32U, 37U and 42U. Easy access removable side panels. A surface finish featuring Degrease,

19 inch Vertical Mount Slimline Wall Mount Secure

Optimize your space with Low Profile Vertical Mount Wall Cabinet, designed to securely house networking and server equipment while saving valuable floor

Ortronics Wall-Mount Cabinets | Legrand

Specification Comparison Sheet: VWM and SWM Cabinets Comparing the two Vertical and Swing-Out wall-mount cabinets, from features to dimensions to shipping weight, just made easier.

Eaton RE Series IT Rack 27U/42U

Eaton RE Series IT Rack 27U & 42U Technical Specifications Eaton RE series IT racks deliver essential protection for critical IT equipment in network closet and small server room applications.

SERVER AND NETWORK RACKS 42U & 46U FLATPACK

Flatpack The 42U & 46U server and network racks are widely applicable and modular in structure. They are delivered in the color RAL 9011 (black). The rack is equipped with 2 cable trays which are

12U Wall Mount Network Cabinet

Description 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

TECHNICAL DATA SHEET SERVER CABINET

BENEFITS OF SERVER CABINETS Premium quality cabinet system for on-premise, colocation and hyperscale datacenters Demountable aluminum frame for reduced weight at maximum strength

SERVER AND NETWORK CABINETS

INTEGRATED CABLE MANAGEMENT ed cable entry/exit points. Each cabinet includes wo vertical cable managers. The 800 mm wide version includes cable mangers with fingers to assist with fro

4U Server Rack Cabinet, Vertical-Mount, Switch-Depth, Wall-Mount

Wall-mount cabinet secures and organizes 4U of 19-inch rack equipment in network wiring closets and other locations with limited floor space. Houses equipment up to 20 inches deep, but extends just 8

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Vertical Wall Mount Network Cabinet — Sysracks

Vertical 19-inch wall-mount data rack enclosure SYSRACKS WS 6906. □□ Compact server cabinet (20"x35"x12") with full support & 30-day return. Fast delivery across Canada!

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