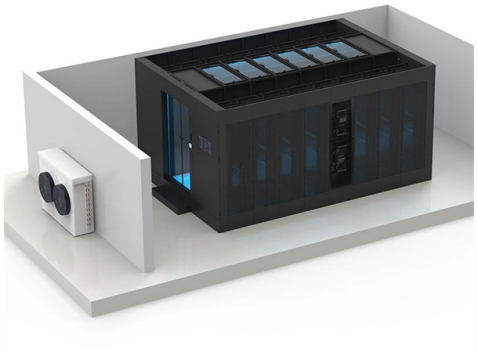
Network rack specifications 1800



Overview

ATEN Racks are designed for energy saving and carbon reduction, all of which feature heavy-duty construction, intelligent design, safety, and robustness.

Key Takeaways

An 18U network rack typically measures around 990–1000 mm in height, 600 mm in width, and 600–1000 mm in depth, supporting standard 19-inch rack-mounted equipment.

General Dimensions and Form Factor

Height: 18U corresponds to approximately 990–1000 mm (floor-standing) or wall-mounted variants may vary slightly. Width: Standard 19-inch rack width (482. 6 mm) for compatibility with servers, switches, and patch panels.

Depth: Common depths range from 600 mm to 1000 mm depending on equipment and cable management needs.

Materials and Construction

Frame: Typically made from powder-coated steel or aluminum alloy for strength and durability. Mounting Rails: Adjustable cold-rolled steel rails, often triple-bent to enhance load capacity. Doors and Panels: Perforated front and rear doors for airflow; removable side panels; lockable doors for security.

Joints: Welded or reinforced connections to support heavy IT equipment.

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Load Capacity and Cooling

Weight Support: Floor-standing 18U racks can support up to 1700 lbs (≈770 kg) of equipment. Cooling: Multi-fan units (2, 4, or 6 fans) are often included or optional to manage hot air and maintain electrical safety.

Compliance and Standards

Rack Mount Standard: EIA-310 compliant 19-inch mounting for servers, switches, and telecom equipment. Environmental Compliance: Many racks meet EU RoHS, REACH, and other hazardous substance regulations.

Additional Features

Cable Management: Integrated or optional cable management rails to organize network and power cables. Security: Lockable doors and removable panels for controlled access. Installation: Available in floor-standing or wall-mounted configurations depending on space and application.

Summary

An 18U network rack provides a compact yet robust solution for small to medium IT setups, offering standard 19-inch compatibility, secure storage, and effective cooling. Depth selection should consider the largest equipment and cable clearance, while material and load capacity ensure long-term reliability. Floor-standing models are ideal for heavier equipment, whereas wall-mounted racks suit limited space environments.

Article Content

RC1800-RC1801-RC1802-Network-Server-Rack-42U-Datasheet-en

ATEN Racks are designed for energy saving and carbon reduction, all of which feature heavy-duty construction, intelligent design, safety, and robustness. ATEN rack solutions are ideal for any kinds

18U Wall-Mount Server Rack Cabinet

EASY ACCESS: Wall-mount data rack features a 180° hinged, enclosed and lockable rack design with easy access to the rear of the mounted devices;

GO Rack, 18U, 600 x 800 mm, glass door, with roof, sides, castors, feet

SE GO series Rack NR6882-G is a 18U network cabinet solution with glass door option and suitable for passive networking applications. This Rack is making deployments of network

Network Rack Cabinets

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The heights of Network Racks are measured in what is known as “Rack Units” (1.75 inches, or 44.45mm). This means that typically when you are shopping for network rack you will see the Rack

Open Frame Wall Mount Server/Equipment Rack

ADJUSTABLE DEPTH: This 2-post 18U 19 inch open frame network rack is EIA/ECA-310 compliant and has an adjustable depth (12-20in / 30.5-50.8cm);

IT rack systems

With our flexible system solutions, you will find the perfect rack for your individual requirements, covering all network applications, large and small.

18U Wall-Mount Server Rack Cabinet

This 18U server or network rack cabinet lets you mount your EIA-310 compliant equipment to the wall, in a secure enclosure that has a hinged rear door for easy access to your equipment. The enclosure

Racks and Enclosures Technical Specifications | ServerLT

Wall Mount Cabinets Specifications: Comprehensive details on dimensions, load capacity, and access features for standard and swing-out wall mount cabinets.

Milestone HE1800R-384TB Network Video Recorder (NVR) Specifications ...

Get in-depth information on Milestone HE1800R-384TB Network video recorders (NVRs) including detailed technical specifications. Besides, view the entire catalog of Milestone HE1800R-384TB

42U Network/Server Rack with Perforated Front and Rear Doors

The perforated design for the front and rear doors improves rack airflow and energy efficiency, generating a ventilation rate that exceeds 66%. The advanced cooling design aligns perfectly with

RACK SOLUTIONS: MODELS & SPECIFICATIONS

Other Rack-Mount IT Solutions – Patch Panels Modular Patch Panels – Future-proof high-density network connections with modular media cassettes (copper and fiber).1

Network Rack Sizes: Find the Right Fit

Discover standard network rack sizes for your equipment. Learn how to choose the right 19-inch rack unit, understand compatibility, and find top-rated options from verified suppliers. Click to

18U Server or Network Cabinet

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18U Enterprise-Grade Server Rack Cabinet Kit, 19in Enclosed 4-Post Rack with Shelf and Cable Management, 29in (75cm) Mounting Depth, 992lb (450kg) Capacity Securely store servers, network

19-inch rack

19-inch rack Portable 19-inch racks filled with audio processing outboard gear are a common sight at concerts with amplified sound. A full-height rack cabinet A 19-inch rack is a standardized frame or

Medium Density Closed NRS 600 Series Racks | Network Racks

Netrack manufactures Medium Density Closed Racks NRS 600 Series Ultra rigid Enhanced Racks for high density application in data centers & server room. Call now for more details.

Server and Network Cabinets | Legrand

Legrand Server and Network Cabinets Legrand is a global provider of data center server and network cabinets, providing fully enclosed racks with side panels, front and rear doors, and roofs. We offer the

48U SmartRack Extra-Deep Server Rack

Features Extra-Deep Server Cabinet Accommodates 48U of Standard-Width Rack EquipmentDesigned for network wiring closets, retail locations, classrooms, back offices and other areas with essential

SERVER AND NETWORK RACKS

PRODUCT OVERVIEW ArcTiv Server and Network Racks provide high-quality, high-density solutions for storing and securing servers and IT equipment in data centers. The product lines are simple to

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Website: https://kenhardtprimary.co.za
Technical inquiry: https://kenhardtprimary.co.za/project-desk.html
African project coordination: Century City, Cape Town, Western Cape, South Africa

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

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