New Data Center Racks



Overview

Schneider Electric leads in integrated power and cooling solutions; HPE and IBM offer high-performance racks for enterprise and hyperscale environments; Eaton focuses on advanced power management and reliability; and Rittal specializes in flexible modular racks tailored for. Schneider Electric leads in integrated power and cooling solutions; HPE and IBM offer high-performance racks for enterprise and hyperscale environments; Eaton focuses on advanced power management and reliability; and Rittal specializes in flexible modular racks tailored for. There are three primary rack types - open-frame racks, enclosed cabinets, and wall-mount racks, each suited for different levels of security, cooling, and equipment density. Selecting the right rack requires evaluating its height (U), depth, width, weight capacity, airflow design, power integration. Schneider Electric, the leader in the digital transformation of energy management and automation, today announced new data center solutions specifically engineered to meet the intensive demands of next-generation AI cluster architectures. Evolving its EcoStruxure™ Data Center Solutions portfolio. Source: Secondary Research, Interviews with Experts, MarketsandMarkets Analysis The global data center rack market is projected to grow from USD 5. 42 billion by 2030, at a CAGR of 12. 7%, driven by the rapid expansion of hyperscale, colocation, and edge data centers. Flex delivers Open Compute Project (OCP) ORv3 -compliant rack solutions, providing a proven, industry-standard approach to high-density compute infrastructure. Deploy with confidence using pretested ORv3 rack configurations designed for optimal integration. Over 100 companies were evaluated, with the top 20 recognized as quadrant leaders.

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Article Content

Jul 23, 2025

Data Center Solutions and Networks | Schneider Electric

Our reliable, efficient, high-performing data center network and solutions: infrastructure, optimization, and critical services. Delivering excellence in data

Dec 23, 2025

Data Centers

AWS is building data centers to support the next generation of artificial intelligence (AI) innovation and customers'' evolving needs. These capabilities combine

Jul 18, 2025

Nvidia GTC 2026 preview: Why the CPU is taking center

Intel and AMD remain the leaders in data center CPUs, but Nvidia is set to unveil new CPU details at its annual GTC AI conference next week.

Jan 21, 2026

Data Center Rack Market Report 2025-2030, By Rack Type, Geo, Tech

As AI accelerates data center buildout, operators need to maximize compute capacity to stay competitive. Hyperscalers are targeting new

May 16, 2026

Rack-Scale Agentic AI Supercomputer | NVIDIA Vera

NVIDIA Vera Rubin NVL72 is a rack-scale AI supercomputer unifying 72 Rubin GPUs and 36 Vera CPUs to power agentic reasoning AI and the AI industrial

Dec 11, 2025

GB200 NVL72 | NVIDIA

Energy-Efficient Infrastructure Liquid-cooled GB200 NVL72 racks reduce a data center''s carbon footprint and energy consumption. Liquid cooling increases

Jun 20, 2026

Flex Launches 800 VDC Power Rack for Next

Power Rack combines Flex''s power products with global manufacturing scale to accelerate deployment of 800 VDC architectures News

Apr 02, 2026

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Data Center Rack Market Report 2025-2030, By Rack

Hyperscale data centers are driving the fastest growth in the rack market, fueled by massive expansion in cloud computing, AI workloads, and the need for high

Jul 14, 2025

Data Center Server Rack Guide (2026): Types, Design,

Learn everything about data center server racks—definitions, rack types, airflow design, power integration, cable management, and a full buying

Nov 14, 2025

Data Center World 2026: AI Pushes Infrastructure to New Limits

At Data Center World 2026, leaders from Oracle Cloud Infrastructure, Nvidia, and Google detailed how AI is changing data center design.

Jan 15, 2026

Schneider Electric Launches New Data Center Solutions

The new EcoStruxure Pod Data Center and EcoStruxure Rack Solutions are now available globally. Organizations are deploying AI clusters and grappling with

Jul 12, 2025

DG Matrix raises $60M to make data center power smarter

Data centers face a conundrum: how to power increasingly dense server racks using equipment that relies on century-old technology. Traditional

Nov 09, 2025

Data Center Trends: A Glimpse into the Future of Rack

Innovations in rack design and cooling solutions enable data center operators to achieve higher power densities without compromising reliability or safety. 60% of

Nov 21, 2025

AI data centers pass 1 gigawatt and strain the U.S. power grid

The International Energy Agency has noted that an individual server rack in an advanced data center could have peak power demand equivalent to 65 households by 2027, and that AI server

Feb 12, 2026

Qualcomm Data Center AI Solutions & Server Products

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Qualcomm® Data Center Solutions power racks, servers, and cards in data centers around the world, delivering leading performance per watt, high-performance

Jun 10, 2026

Server Racks & Network Cabinets: The 2026 Infrastructure Guide

Optimize your data center with Weunion''s high-performance server racks and network cabinets. Explore our 2026 guide on wall-mount, floor-standing, and open-frame enclosures. Expert

Jun 10, 2026

Data Center Rack Density Has Doubled. And It''s Still

Data Center Rack Density Has Doubled. And It''s Still Not Enough Can solutions like direct-to-chip cooling and rear-door heat exchangers bridge the gap

Apr 01, 2026

Data Center Server Rack: The Ultimate Guide

Master the art of data center server rack management with our ultimate 2024 guide. Rack selection, organization, and optimization with ENCOR.

Aug 06, 2025

Optimize Data Center Space with Reliable Server Racks and ...

Discover the best server racks, network cabinets, and containment solutions at Vertiv™. Maximize your data center efficiency and organization.

Mar 04, 2026

Top 20 Global Data Center Rack Companies Ranked in New 2025

The Data Center Rack Companies Quadrant provides a comprehensive analysis of the global data center rack market, highlighting key players, technological advancements, and trends.

Jun 11, 2026

Data Center Rack Market Size

Mordor Intelligence defines the data center rack market as all new, factory-built open-frame, cabinet, and wall-mount frameworks that physically

Apr 25, 2026

Data Center Racks, Cabinets & Containment | AMCO

AMCO Enclosures designs and manufactures high-quality server racks, electronic cabinets, and data center containment systems built for strength, performance,

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Aug 07, 2025

Flex data center racks and enclosures

As AI accelerates data center buildout, operators need to maximize compute capacity to stay competitive. Hyperscalers are targeting new

Jan 12, 2026

How Meta achieves 120kW a rack in 20kW air-cooled

Meta has detailed how it can introduce higher-density liquid-cooled GPUs into air-cooled data centers designed for much lower rack densities. As

Sep 26, 2025

Data Center Racks Tracker – 2024 Omdia

Covers data center buildings for top cloud/colocation data center (DC) operators. Includes DC locations, size in square feet, IT load in kilowatts (kW), new data center construction plans,

Aug 06, 2025

Marvell to Acquire Celestial AI, Accelerating Scale-up Connectivity for ...

Celestial AI: Breakthrough Photonic Fabric Technology Platform for Scale-Up Interconnect As bandwidth and reach continue to increase, every connection point in the data center must move

Feb 18, 2026

Data Center Ladder Racks

Our cable ladder rack series is 12" wide and fully welded for heavy-duty support. Build your own cable management system to get organized. UL classified and

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