

Investment Value of Data Center Racks



AI Overview

The global data center rack market is projected to grow from USD 7.26 billion in 2026 to over USD 14.55 billion by 2034, reflecting strong investment potential driven by AI, cloud computing, and high-density infrastructure demands. Market Overview Data center racks are essential for housing servers, networking devices, storage systems, and cooling equipment in data centers. They provide organized, secure, and scalable infrastructure for IT operations, supporting high-density and energy-efficient deployments. The market is expanding rapidly due to the proliferation of AI workloads, cloud services, 5G, IoT, and edge computing, which require advanced rack solutions capable of handling high power densities and liquid cooling. Global Market Size and Growth The global market was valued at USD 7.26 billion in 2026 and is projected to reach USD 14.55 billion by 2034, with a CAGR of 9.1%. Earlier estimates show the market growing from USD 5.17 billion in 2025 to USD 9.42 billion by 2030, at a CAGR of 12.7%, highlighting strong near-term growth driven by hyperscale and colocation data centers. North America dominates the market, holding 36.4% of global share, with the US market expected to grow from USD 1.85 billion in 2025 to USD 3.49 billion by 2032. Asia Pacific and Europe are also experiencing rapid growth, with APAC projected to reach USD 3.79 billion by 2032 and Europe USD 2.63 billion in the same period. Investment Drivers AI and High-Density Workloads: AI-specific data center usage is expected to account for over \$5 trillion in investment by 2030, driving demand for racks capable of supporting GPU-intensive and HPC clusters. Hyperscale and Cloud Expansion: Hyperscale operators are deploying modular, liquid-cooled racks with power densities exceeding 1 MW to optimize space, cooling, and energy efficiency. Technological Advancements: Modern racks integrate advanced cooling, power management, and modular designs, enabling flexible deployment and operational scalability. Digital Transformation: The rise of 5G, IoT, and edge comput...

Article Content

Data Center Rack Market Size & Share | Growth 2035

Stakeholders are standardizing AI-ready rack platforms, expanding liquid-cooling partnerships, co-designing layouts with hyperscalers, bundling services with hardware, investing in

Alphabet's \$14.5 Billion Data Centre Project Fuels 44% Jump

Alphabet's \$14.5 billion data centre project helped drive a 44% surge in India's FDI, even as overall greenfield investment slowed in 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

Data Center Rack Market (2025-2035)

Data center rack market was valued at US\$ 4.51 billion in 2024 and is anticipated to reach US\$ 9.41 billion by 2033, progressing at a steady CAGR of 8.5% from 2025-2033. Based on rack

AI Datacenter Liquid Cooling TCO: Cold Plate vs CDU Cost Models

Explore AI datacenter liquid cooling TCO: Cold Plate, D2C, and CDU cost analysis. Covers 48V, GaN, SiC, and PUE impact on procurement.

Data Center Rack Market Size, Share | Industry Report 2034

The global data center rack market size is projected to grow from \$7.26 billion in 2026 to \$14.55 billion by 2034, at a CAGR of 9.10% during the forecast period

Blackstone to launch publicly traded AI data center acquisition

American investment management firm Blackstone reportedly plans to launch an acquisition company to secure AI data centers. As reported by Bloomberg, citing unnamed sources,

Why invest in the data center economy | McKinsey

Savvy private investors has been snapping up data centers in recent years. We explore why more companies should invest in the growing data center

Data Center Power Crisis 2026: The Grid Bottleneck

In 2026, the data center power crisis peaks. Grid scarcity, not hardware, is the top supply chain risk. Discover the winning strategies to secure power now.

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

The global data center rack market is projected to grow from USD 5.17 billion in 2025 to USD 9.42 billion by 2030, at a CAGR of 12.7%, driven by the rapid expansion of hyperscale, colocation, and edge

Why liquid cooling will dominate AI data centres in 2026

As AI power demands surge into 2026, liquid cooling is becoming the essential technology keeping data centres efficient, stable, and future-ready.

Schneider Electric Global | Your Energy Technology Partner

Climate risk puts 38% of global data center value at stake New research quantifies climate exposure across 8,572 facilities — and shows adaptation delivers positive ROI.

Ireland Data Center Investment Analysis Report 2026: A \$4+ Billion ...

The Ireland data center market is expected to reach a value of \$4.04 billion by 2031 from \$2.99 billion in 2025, growing at a CAGR of 5.17% This report analyses the Ireland data center

Data Center Rack Market Size to Hit USD 10.95 Billion by 2034

The global data center rack market size was evaluated at USD 4.98 billion in 2025 and is predicted to hit around USD 10.95 billion by 2034, growing at a CAGR of 9.15%.

Welcome to Channel Dive | Channel Dive

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Measuring the Data Center Boom: Facts and Statistics (2026)

Between now and 2030, companies worldwide are expected to invest nearly \$7 trillion in building and upgrading data centers. Global data center power usage is expected to increase to 219

Data Center Rack Market Size, Share, Growth, Forecast, 2034

The North American data center rack market leads the data center industry with the early adoption of innovative infrastructure and investments from colocation service providers, hyperscale

Brookfield Launches \$100 Billion AI Infrastructure Program

BAIIF, together with additional capital from its co-investors and prudent financing, will acquire up to \$100 billion of AI infrastructure assets, deploying investment across every stage of the

Data Center Buildout Cost: Complete Pricing Guide

Data center cost per rack: Rack-level costs vary significantly by density and cooling method. AI-centric facilities with 200kW+ per rack require

The cost of compute power: A \$7 trillion race | McKinsey

To meet this demand, companies across the compute power value chain must strike a balance between deploying capital quickly and doing so

VanEck Launches Data Center Supply Chain ETF (RACK) to Capture

An investment in the VanEck Data Center Supply Chain ETF (RACK) may be subject to risks which include, but are not limited to, risks related to investments in Data Center Supply Chain

2026 Market Outlook for Global Data Centers | JLL

Andrew Batson discusses the data center investment supercycle, emerging fund strategies and enterprise infrastructure trends. Learn how capital

Commercial Real Estate Insights

The biggest problems need the best thinkers. Discover the latest insights designed to help you navigate the complexity of commercial real estate.

Data centers and AI: How the energy sector can meet

The growth of data centers and AI rely on the availability of electric power. Opportunities for investors in power infrastructure and adjacent sectors

Data center infrastructure market: AI-driven CapEx pushing IT and ...

The investments in data centers drive infrastructure and equipment spending (e.g., servers, networking equipment, and electrical systems), which, in turn, drive investments in

Data Center Solutions – Intel

Data Center Products and Solutions Accelerate your data center transformation with Intel® technologies that optimize costs, speed AI deployment, and enhance data security while maximizing the value of

Liquid Cooling 2025: Google's \$40B AI Power Play

Discover how Google's liquid cooling strategy for 2025 reshapes AI data center energy after a \$40B bet. Explore the shift to direct-to-chip cooling.

Data Center Rack Market Size, Share, Trends | Growth

Data center rack market was valued at US\$ 4.51 billion in 2024 and is anticipated to reach US\$ 9.41 billion by 2033, progressing at a steady CAGR of 8.5% from 2025-2033. Based on rack

AI-First Hyperscalers: 2026's Sprint Meets the Power

Hyperscalers in 2026: What's Next for the World's Biggest Data Center Operators? In 2026, hyperscalers will accelerate AI-first buildouts while

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