

Valuation of a Data Center Rack



AI Overview

The value of a data center rack varies widely, typically ranging from a few hundred dollars for basic open-frame racks to tens of thousands for high-density, AI-optimized, liquid-cooled racks.

Overview of Data Center Rack Pricing

Data center racks are standardized enclosures used to house servers, networking equipment, storage arrays, and power distribution units. The 19-inch rack format is the industry standard, with heights commonly at 42U, 45U, or 48U, accommodating 73.5 to 84 inches of equipment . Prices depend on rack type, height, cooling capabilities, and power density.

- Basic open-frame racks: These are simple metal frames without doors or side panels, typically costing \$300-\$1,000 per unit .
- Enclosed cabinet racks: Lockable front and rear doors, side panels, and integrated cable management increase the price to \$1,500-\$5,000 per rack .
- High-density AI racks: Designed for GPU-intensive workloads with liquid cooling and power densities exceeding 60-130 kW, these can cost \$10,000-\$25,000 or more per rack .

Factors Affecting Rack Value

- Rack Type and Size: Full racks (42U-48U) are more expensive than half or quarter racks. Cabinet enclosures command higher prices than open-frame units .
- Cooling Technology: Air-cooled racks are less expensive, while liquid-cooled or immersion-cooled racks for high-density AI workloads significantly increase cost .

Article Content

Data Center Valuations | CBRE

We provide comprehensive data center valuation, advisory and consulting services for real estate owners, investors and lenders. By

Valuation of Data Centres, 1st edition

Please note, our technical content in relation to data centres is currently being reviewed. The current edition of RICS Valuation -

Data Center Rack Market Set to Surpass Valuation of US\$ 9.41 Billion

In addition to new builds, the existing stock of data centers represents a massive modernization opportunity across the data center

Data Center Pricing Calculator

Data Center Pricing Calculator This Data Center Pricing Calculator will help reduce the many factors that go into the decision of

How Much Does a Rack in a Data Center Cost?

Rack Installation & Setup Costs In addition to the rack hardware, there are also costs associated with properly installing and setting

Data Center Valuation

The data center has the attribute of heavy assets, and the corresponding non-cash outflows such as depreciation and

Data Center Rack Market to Hit \$ 11.9 Bn by 2035 at 6.4% CAGR

A: The Data Center Rack market size was estimated at USD 6.4 billion in 2025. This valuation reflects steady infrastructure

Data Center Rack and Enclosure Market Report 2026

The data center rack and enclosure market consists of revenues earned by entities by providing services such as rack design and

TFI 2025 Conference

Data centers consumed 3% of U.S. power in 2023 Projected to surpass 11% in next decade Lead time for power

What You Need To Know About Using A Data Center Rack

In data centers, it is a serious issue. Having some kind of cable management system is, therefore, a must in most data

Data Center Rack Market (2025-2035)

Global Data Center Rack Market size was valued at \$7.02 billion in 2025 and is projected to reach \$26.94 billion by

The Economics and Valuation of Data Centers

Aviso uses a proprietary methodology centered on standard racks capacity with projections at the free cash flows basis

Data Center Market Size, Share & Growth Report, 2026-2033

Data Center Market Summary The global data center market size was valued at USD 383.8 billion in 2025 and is projected to grow

Data Center Rack Power Costs: A Condensed Analysis | Nlyte

Understanding Data Center Rack Power Consumption Data center power density, measured in kilowatts (kW) per

Data Center Rack Market Share & Analysis 2026-2033

Data Center Rack Market size is estimated to be valued at USD 1.90 Bn in 2026 and is expected to expand at a

Data Center Industry KPIs for Investment Professionals

This guide highlights the key performance indicators for the Data Center industry and where investors should look to find an

TFI 2025 Conference

While higher tier data centers do charge more in rent, the higher value impact may be offset by the introduction of a

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

Data Center Rack Market Size

Data Center Rack Market Analysis by Mordor Intelligence The Data Center Rack Market size was valued at USD 2.93

Data Center Rack Market Set to Surpass Valuation of US\$ 9.41 Billion

The data center rack market is being transformed from a simple enclosure into a sophisticated fluid dynamics chassis.

Colliers | The fundamentals of Data Centre valuations

Our team's local and regional expertise in this asset type, combined with the capabilities of our valuation team,

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

5 Factors for Assessing Total Data Center Cost

We break down the main data center cost variables, where they affect total spending, and how they impact total cost of

Contact Us

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