

Development Trends of Network Chassis and Rack



Overview

Key trends include the shift to 21-inch Open Rack enclosures for AI data centers, modular and smart rack designs, and a focus on sustainability and energy efficiency [14][15][16]. The market is projected to grow at a CAGR of 12%. While processors and storage often get the spotlight, the chassis—the physical framework that houses and protects server components—plays a foundational role in performance, scalability, and reliability. The Network Rack Market Size was valued at 5.64 USD Billion in 2025 and is projected to reach 10 USD Billion by 2035, growing at a CAGR of 9% during the forecast period (2026–2035). Source: Based on recent insights from AFCOM's 2024 State of the Data Center Report and Leading Edge Design Group's discussions with IT leaders across enterprise, public sector, and institutional environments, let's delve into some of the most prominent trends defining data centers in 2024.

Rack Density. “Racks are no longer just metal frames—they're now intelligent, modular systems enabling scalability, airflow optimization, and edge deployment flexibility.”



Article Content

Top 7 Trends In Server Chassis | Insights & Opportunities

Competitive Landscape The server chassis market is highly competitive, with key players focusing on innovation, partnerships, and expansion strategies to

The Ultimate Guide to Choosing the Right Network

The Ultimate Guide to Choosing the Right Network Rack for Your Business

Introduction In today's highly-connected and increasingly digitized

Top 7 Trends In Server Chassis | Insights & Opportunities

With rack density increasing and energy costs rising, server chassis are being redesigned to support higher performance within smaller footprints. These shifts

Coherent Optical Equipment Market

This Coherent Optical Equipment Market Research Report delivers a comprehensive assessment of global coherent port deployments, module and chassis shipment counts, vendor

Network Rack Market Trends & Growth Analysis 2035

The trends across these regions highlight the critical role they play in the overall Global Network Rack Market industry, shaped by factors such as increased internet penetration, rising data traffic, and the

Data Center Rack Market Size, Trends, Growth Report

Integration of smart technologies is becoming prevalent, enhancing operational efficiency and management capabilities. Customization and modular

Latest Trends & Innovations In Rack Enclosure Design

Explore the newest innovations in rack enclosure design and technology, from smart features and modular designs to sustainable materials

Data Center Rack Market 2025: The Backbone of

Unlock insights into the Data Center Rack Market 2025, from modular high-density racks and liquid cooling to smart monitoring and hyperscale

Data Center Rack Market Size, Share, and Industry

Each rack is generally prefabricated with slots for connecting electrical, networking, and internet cables. Data center server racks are built according to a systematic

Data Center Rack Market Size, Share, Growth and Report 2026

Other factors, such as technological developments and increasing digitization, are projected to drive the global data center rack market forward. The urge to improve corporate

Data Center Rack Market Report: Size, Growth, Trends

The Data Centre Rack Market is defined as the global industry focused on the design, manufacturing, and supply of standardized physical frameworks and

Data Center Rack Market Size

Data Center Rack Market Size & Share Analysis - Growth Trends and Forecast (2026 - 2031) Data Center Rack Market is Segmented by Rack Size

Data Center Trends: A Glimpse into the Future of Rack

By embracing trends such as tech efficiencies, high-density computing, AI integration, and workload migration, organizations can future-proof their data

Global Network Rack Market Innovation Report 2025-2033 ...

■ Comprehensive Market Dynamics – In-depth coverage of market drivers, restraints, challenges, opportunities, and emerging trends shaping the Global Network Rack Market landscape.

Data Center Racks Tracker – 2024 Omdia

We touch on recent research findings, including top takeaways, highlights, trends, drivers, and the long-term market outlook. Analyzes updates from the Data Center Racks Market Tracker

Trend of Network Rack 2025: Smart, Modular & Sustainable

Explore the latest trend of network rack innovations in 2025. Discover smart, modular, and eco-friendly designs driving data center evolution. Click to learn how AI and sustainability are

2025 Data Center Market Trends Report: Building for

Explore 2025 data center market trends, including AI-driven rack densities, power demands, and modular campus designs.

What Are the Latest Trends and Innovations in Server Rack ...

Modular and Scalable Designs: One of the foremost trends in server rack technology is the emergence of modular and scalable designs. Traditional static server racks are giving way to

Data Center Rack Market Size, Share & Forecast

Key Benefits for Stakeholders The study provides an in-depth data center rack market analysis along with the current trends and future estimations to elucidate

Market Deep Dive: Exploring Server Rack Trends 2026-2034

This report provides a comprehensive analysis of the server rack market, including market segmentation, trends, challenges, drivers, growth catalysts, key players, and significant

Data Center Rack Market Forecast: Strategic Insights 2025-2030

Data Centre Rack Market Key Developments: In January 2024, Excel Networking Solutions, the infrastructure provider that provides copper and optical fibre, FTTx, racks, PDUs, voice, and a wide

Rack Trends: What's Driving Market Growth in 2025?

Discover the latest rack trends shaping 2025's market. From smart racks to sustainable designs, learn how innovation and demand are transforming storage solutions. Click to explore key

Server Rack Market Size, Share, Report By 2035

The major market players are IT service providers, hardware vendors, and data center solution providers uniting to provide innovative rack systems to provide maximum performance and

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