

AI Server Hardware Growth





Overview

Dell, HPE, Lenovo, and Supermicro are riding record AI server demand, but winning enterprise customers requires more than just Nvidia chips. With GPUs standardized around Nvidia, vendors compete on AI Ops, liquid cooling, and deployment services as enterprises ramp up inference in 2026. The growth of the AI server market is driven by the increase in data traffic and need for high computing power. HTF MI just released the Global AI Server Hardware Market Study, a comprehensive analysis of the market that spans more than 143+ pages and describes the product and industry scope as well as the market prognosis and status for 2025–2033.



AI Server Hardware Growth

AI hardware spending soared last year, thanks to cloud

AI hardware spending soared last year, thanks to cloud Hyperscalers and digital service providers will push global AI infrastructure spending past \$200

AI Server Market Size, Share, Growth Report, 2034

Enterprises increasingly deploy AI servers designed for parallel processing, high-density computing, and accelerated data throughput. One of the most notable trends is the rising adoption of



From AI investment to GDP growth: An ecosystem view , CEPR

Forecasts on the economic impacts of artificial intelligence diverge sharply. This column assesses how the current AI wave is contributing to US GDP, both directly through investment and

AI Server Hardware Market High Growth Value at 37.8%

The Global AI Server Hardware Market is witnessing unprecedented growth, projected to surge from USD 156.7 billion in 2024 to USD 3,868.7 billion

AI Server Market Size & Share, Statistics Report 2025

Server demand is rising in urban and rural areas due to the expansion of cloud business



and AI-as-a-service. The Asia-Pacific region is also capitalizing on its

CPU requirements for AI workloads are multiplying, driving intensifying

CPU requirements for AI workloads are multiplying, driving intensifying shortages and price hikes -- Intel already shifting production from consumer chips to Xeon as inference workloads

TrendForce: AI Server Market Will Keep Growing

Consequently, AI server shipments increased by 46% YoY for 2024. As for 2025, TrendForce forecasts that AI server shipments will register a YoY



39 Agentic AI Statistics Every GTM Leader Should

Explore 39 agentic AI statistics for 2025--covering market growth, adoption, ROI, multi-agent architectures, security risks, and GTM impact--to help

Dell earnings report Q4 2025

Dell said that it sold about \$10 billion of AI-optimized servers in its fiscal 2025, and expects to sell about \$15 billion in AI system sales this year.

AI Server Hardware Market Big Changes to Have Big

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AI Server Market Update: Vendors Shift from Silicon to Services

The AI server market continues its explosive growth, fueled primarily by demand for GPUs - particularly from Nvidia. As the customer base broadens beyond hyperscalers and neoclouds to

DRAM prices predicted to jump 63% in Q2, NAND up to 75%

PC Components RAM DRAM DRAM prices predicted to jump 63% in Q2, NAND up to 75% -- follows 95% jumps in Q1, Trendforce says AI server demand keeps supply tight News By

AI Server Market report 2024-2030 [314 Pages &



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The AI server market is experiencing rapid expansion, driven by rising demand from cloud providers to support hyperscale environments and generative AI workloads.

AI Server Market Size, Vendor Shares, and Investment

ABI research's latest report evaluates the surging AI server market. It forecasts market size through 2030, reveals vendor shares, and identifies key

AI Server Market Size, Share, Global Trends Report

As the demand for AI-driven applications continues to grow, the AI Server Market is likely to expand, driven by the need for servers that can handle



Gartner Forecasts Worldwide Semiconductor Revenue to Exceed \$1.3

Global semiconductor revenue is projected to exceed \$1.3 trillion in 2026, exhibiting the highest growth in the last two decades, according to Gartner, Inc., a business and technology

AI Server Market Size, Share, Growth Report, 2034

The global AI server market to reach USD 2847.32 billion by 2034, expanding at a 34.73% CAGR during the forecast period 2026-2034.

Artificial Intelligence Infrastructure Spending to Reach \$758Bn USD



Servers with an embedded accelerator are the preferred infrastructure for AI platforms, accounting for 91.8% of the total server AI infrastructure spending--growing 207.3% in the second

AI data center growth: Meeting the demand , McKinsey

Soaring demand for AI data centers has ushered in a new area of growth. We explore these new opportunities for companies and investors across

AI Shifts IT Budgets to Growth Investments , BCG

As artificial intelligence evolves, IT budgets are keeping pace, with companies ratcheting up investments that drive growth--and squeezing mature



Artificial Intelligence Infrastructure Spending to Reach \$758Bn USD

In 2Q25, servers accounted for 98% of the total AI Centric spending, growing 173.2% compared to the same period last year. Servers with an embedded accelerator are the preferred

Global AI Server Shipments Forecast to Grow Over 28

North American CSPs' continued investments in AI infrastructure are expected to increase global AI server shipments by more than 28% YoY in 2026,

AI Server Market Size And Share , Industry Report, 2033



Moreover, the growth of AI chipsets and system-on-chip (SoC) technologies is transforming the design and capabilities of AI servers. Innovations in AI-specific

Apple's Ternus era hints at renewed hardware focus, AI growth push

Apple's appointment of longtime hardware chief John Ternus as CEO signals a renewed emphasis on its core strength in devices and focus on fusing AI capabilities into existing products to

AI Agents Market Size Report 2026, Growth, Analysis

AI Agents Market Overview
o AI Agents market size has reached to \$8.29 billion in 2025
o Expected to grow to \$53.2 billion in 2030 at a compound annual growth



AI-Driven Growth: The Future of Compute Servers

Discover the future of compute servers in our latest report, exploring AI-driven growth and the rise of accelerated servers. Gain insights into market

AI Server Market Size & Share, Statistics Report 2025

AI Server Market Size A comprehensive report by Global Market Insights Inc. projects the global AI server market was valued at USD 128 billion in 2024. The

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