

Why are AI servers increasing



Overview

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 include enterprise buyers, hardware manufacturers face a new challenge: differentiation. Image:. As part of CRN's AI Week 2024, check out a sampling of AI servers from a number of server vendors and system builders. Cutting Through The Hype On AI Servers AI has been studied for decades, and generative AI has been used in chatbots as early as the 1960s. It's projected that AI servers will climb to about a 41. Dell, Supermicro, HPE are the big 3. But ODM direct sales dominate as Microsoft, Amazon, Google and Meta continue to custom order their own servers. A key driver of this shift is NVIDIA's new Grace Blackwell superchip, which.



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How AI Is Fueling a Boom in Data Centers and Energy

AI is causing the rapid construction and usage of data centers around the world—potentially imperiling climate goals.

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The AI Boom Could Use a Shocking Amount of Electricity

Every online interaction relies on a scaffolding of information stored in remote servers—and those machines, stacked together in data centers

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AMD and Intel Eye 15% Server CPU Price Hike Amid Sellout

AMD and Intel are considering price increases of up to 15% for server CPUs after selling out their 2026 inventory, driven by explosive hyperscaler demand for AI and data center

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AI servers to be 70% of server market in 2025

Driving AI server growth is demand for systems running on Hopper chips from customers, including server OEMs and CSPs based in the US and

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AI Server Market Projected to Reach \$180B by 2032

The AI server market is rapidly evolving. Image: Alamy The AI server market is experiencing rapid growth driven by the increasing adoption of AI

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Global AI Server Shipments Forecast to Grow Over 28

Global server shipments are projected to grow 12.8% YoY in 2026, while AI server shipments are expected to surge by more than 28% YoY Google

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Server spending is at unprecedented levels as enterprises rush to adopt AI

The server market is experiencing record growth amid the voracious demand for production-ready AI infrastructure. The market has more than doubled in size since 2020, with revenues of \$235.7 ...

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The AI Server Market Boom: Navigating Rising Costs and Strategic ...

In 2024, the AI server market isn't just growing—it's transforming. As enterprises scramble to deploy generative AI, large language models (LLMs), and real-time data analytics, ...

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Why AI Servers Are Getting More Expensive

Why AI Servers Are Getting More Expensive AI server costs are rising at a pace that is breaking procurement plans, budget models, and deployment timelines across the industry. Every layer of the

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How the Demand for Servers Is Changing Amid the Rise

While overall server sales may be low, increasing demand for computing means that servers with GPUs will quickly dominate the market share. The race to adopt and

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Gartner Forecasts US\$202bn Spend on AI Servers in 2025

Hyperscale operators driving AI investments Companies operating large-scale hyperscale data centre infrastructure will account for more than 70%

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See Generative AI's Impact on the AI Server Market to 2025

It's projected that AI servers will climb to about a 41.5% YoY growth in 2024, to meet the strong demand of CSPs and OEMs generative AI training and inference application.

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2025: AI Servers Surge, Desktop AI Rises

The rise of AI servers is reshaping the server market, driven by the growing demand for AI-enabled applications across industries like healthcare, finance, and autonomous vehicles.

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Tech Giants Fuel AI Server Boom, Contributing 30% to

To meet the skyrocketing progression and demand of AI systems, AI servers have taken over the global server market as one-third of the total servers"

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AI-Driven Growth: The Future of Compute Servers

The compute server market is set to undergo significant growth driven by the increasing demand for accelerated servers to support AI applications. This

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AI Servers Set to Skyrocket to \$29.8 Billion by 2025!

The AI server market is anticipated to undergo significant changes, largely driven by increasing demand for AI applications across diverse sectors. According to recent analyses, the

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AI Servers Now One-third of Global Server Market

The server market has grown steeply during Q2 2024 due to the strong demand for AI servers, increasing 35% YoY. Dell, Supermicro, HPE are

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AI Server Market Update: Vendors Shift from Silicon to Services

AI Server Market Update: Vendors Shift from Silicon to Services Dell, HPE, Lenovo, and Supermicro are riding record AI server demand, but winning enterprise customers requires more

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AI Server Market Size, Share, Global Trends Report

The AI Server Market is currently characterized by intense competition and rapid technological advancements, driven by the increasing demand for AI

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AI Server Market Size to Reach USD 352.28 Billion by

The increased demand for AI applications, improvements in the technology of AI, the evolution of cloud and edge computing, and big data

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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,

Dec 28, 2025

Electronic Component Shortage Update: March 2026 – DRAM Surge,

Frequently Asked Questions: Component Shortages and Market Conditions, March 2026 Why did DRAM prices increase so much in Q1 2026? DRAM prices surged 90-95% quarter-over-quarter in Q1

Aug 12, 2025

AI becomes leading server workload as shipments of

Shipments of AI servers are projected to rise sharply from about 500,000 in 2019 to approximately 4.5 million by 2029, making AI the leading data

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The AI Servers Powering The Artificial Intelligence Boom

IDC expects AI server revenue will reach \$49.1 billion by 2027, assuming that GPU-accelerated server revenue will grow faster than revenue for

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