

How large is the AI server shortage



Overview

AI teams are running into a problem the market isn't built to solve: server memory prices are up more than 300 percent this year thanks to supply shortages and high demand for AI servers, yet DRAM suppliers are holding production flat and shifting capacity to higher-margin AI. AI teams are running into a problem the market isn't built to solve: server memory prices are up more than 300 percent this year thanks to supply shortages and high demand for AI servers, yet DRAM suppliers are holding production flat and shifting capacity to higher-margin AI. In 2025, the AI industry faces its biggest bottleneck: not algorithms, not data, but raw computing power. The explosive growth of AI applications — from ChatGPT to autonomous vehicles — has created demand that far exceeds the world's GPU supply. NVIDIA's H100 GPU, the workhorse of AI training, has. If you're planning AI infrastructure right now, here's your reality: Nvidia 's latest GPUs are sold out through 2026, cloud provider wait-lists stretch into next quarter, and hardware budgets doubled while timelines keep slipping. That. What the AI-Driven Shortage Means for Your Infrastructure Plans. Configuration options are narrowing. The memory chip supply crisis is familiar to Reg readers: manufacturers shifted capacity toward. The AI infrastructure buildout is creating shortages of components including various types of chips. Prices of some components like advanced memory have surged.



Article Content

AI Compute Shortage 2025: Crisis, Causes & Solutions

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The Hidden Crisis in AI Right Now: Server Memory Is In

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AI now gobbling up power and management chips for servers

The chip shortage is spreading to power and management controller silicon, threatening server shipments as vendors prioritize capacity for higher-margin AI server products. Market watcher

Nvidia shift, AI chip shortages threatening to hike

AI data centers, on which tech giants globally are spending hundreds of billions of dollars, require chips from suppliers, like Nvidia, which relies on

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RAM Shortage and Higher Laptop Prices Not Expected

The AI boom has led to a shortage of PC memory, as AI companies gobble up RAM and storage to power the thousands of servers in their growing

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Everyone is focusing on the soaring memory cost in the Vera Rubin

But once you begin deploying hundreds or thousands of 600kW AI racks simultaneously, the math becomes almost absurd because a large-scale Vera Rubin Ultra cluster could eventually

Memory shortages are shaking the entire tech world,

Micron recently announced the discontinuation of its Crucial brand, aiming to prioritize large clients with AI servers. What to read next

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Riding the AI Supercycle: Navigating the 2026 Memory

Navigate the AI-Driven Supercycle The memory and storage market has entered a multi year, AI driven supercycle, as suppliers shift aggressively

The AI RAM shortage is also driving up SSD prices

The AI RAM shortage is also driving up SSD prices SSDs now cost double or even triple what they did in December, with HDD prices on the rise, too.

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