

AI server manufacturers struggle to survive



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. Image:. The global Artificial Intelligence (AI) server market is in the midst of an unprecedented boom, experiencing a transformative growth phase that is fundamentally reshaping the technological landscape. Paradoxically, it also has the potential to undermine the very companies that adopt the tools. Enterprises are investing billions of dollars in cloud. In October 2023, Quanta revealed plans to open three new factories in California, USA, with the goal of creating state-of-the-art assembly lines for AI servers. Around the same time, Wiyynn shared its intentions to launch a server cabinet assembly plant in Johor, Malaysia, featuring advanced liquid. The chip shortage is spreading to power and management controller silicon, threatening server shipments as vendors prioritize capacity for higher-margin AI server products.



Article Content

The Unprecedented Surge: AI Server Market Explodes, Reshaping

AI server manufacturers such as Dell Technologies (NYSE: DELL), Super Micro Computer (NASDAQ: SMCI), and Hewlett Packard Enterprise (NYSE: HPE) are experiencing

AI Server Market Update: Vendors Shift from Silicon to Services

Image: Nvidia The AI server market continues its explosive growth, fueled primarily by demand for GPUs – particularly from Nvidia. As the customer base broadens beyond hyperscalers

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.

AI now gobbling up power and management chips for servers

The "AI effect" is now spreading to server CPUs and even hard disk drives, as manufacturing capacity gets soaked up in satisfying the requirements of the biggest cloud providers.

Global AI Server Demand Surge Expected to Drive

TrendForce's latest industry report on AI servers reveals that high demand for advanced AI servers from major CSPs and brand clients is expected

The Reshaping of the Server Market and Manufacturing

Investigating the ever-increasing complex business of the branded servers and their manufacturing partners to uncover the strengths and weaknesses of the AI revolution

AI Servers Now One-third of Global Server Market

Following the introduction of ChatGPT in 2022, the server market has grown rapidly as demand for AI servers increased with the GenAI boom.

Foxconn predicts the AI server market will explode to

AI foxconn servers Foxconn predicts the AI server market will explode to \$150 billion by 2027 And the manufacturing giant wants a big slice of

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: cloud giants to command 60% demand in 2024

Microsoft, Google, AWS, and Meta will collectively account for over 60% of global demand for high-end AI servers in 2024, according to a report from Trendforce.

Taiwan's Big Manufacturers Jump into AI Servers

The AI server boom has catalyzed changes that extend beyond individual companies to reshape Taiwan's entire electronics manufacturing ecosystem. Traditional boundaries between different types

AI in the workplace: A report for 2025 | McKinsey

Almost all companies invest in AI, but just 1% believe they are at maturity. Our new report looks at how AI is being used in the workplace in 2025.

AI Server Companies

AI Server industry insights on factors that are driving the growth of the AI Server Market and key players along with their go to market strategies and new revenue sources.

AI servers spawn strong demands for PCB

Manufacturers are seizing the development opportunities of the AI server PCB track, which is expected to further consolidate China's leading

How server makers are surfing the AI wave

How server makers are surfing the AI wave While hyperscalers extend the life of their x86 equipment, the industry's desperate pleas to find a new killer application to drive up server sales may ...

Companies Are Killing Themselves With AI: A Hidden

Companies must take proactive steps to harness the benefits of AI while preserving the valuable knowledge and skills that traditionally drive

AI Server Companies Driving AI Innovation in 2025

These massive computing needs have given rise to a new breed of technology providers: AI server companies. Every AI breakthrough, from self

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.

Has AI put the traditional server market on life support?

Traditional server manufacturers are having to adapt rapidly. Companies previously squarely in the infrastructure space, like Vertiv and

AI Server Market Size, Share, Growth & Top Key

The AI Server Market remains Highly competitive, driven by regional manufacturers, startups, and niche technology providers. These companies focus on

Server memory prices could double by 2026 as AI

Server memory prices could double by the end of 2026, driven by manufacturers' pivot to AI-focused production and Nvidia's shift to smartphone

Quanta, Wiyynn, and Major Manufacturers

Major companies like Foxconn and Inventec are actively expanding their production facilities, both in their home country and abroad, to prepare for

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

The AI Servers Powering The Artificial Intelligence

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

Top Five AI Server Companies for Data Centers and

To bring clarity to the market, ABI Research's AI Server OEMs Competitive Ranking assesses eight global AI server companies. We evaluated

What is an AI server? Why artificial intelligence needs

AI servers are playing an increasingly pivotal role as enterprises across industries race to implement sophisticated gen AI tools and AI agents.

Global AI Servers Market Insights, Forecast to 2030

An AI server is a data server capable of providing artificial intelligence (AI). It can be used to support local applications and web pages, as well as provide complex AI models and services to

Quanta, Wiyynn, and Major Manufacturers

To meet the anticipated high-end AI server orders in 2024, Ingrasys Inc. added new production lines in the second quarter of 2023 to meet the

Foxconn predicts the AI server market will explode to

Demand for such AI servers is growing exponentially, and Foxconn is seemingly willing to bet its future growth prospects on it. During his latest

DIGITIMES Research highlights the market currents of

DIGITIMES Research anticipates that in 2023, over 80% of the global shipments of high-end AI servers from major CSPs and server vendors will be

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