

What will AI servers look like in 2025



Overview

Dell, HPE and Lenovo aim for a bigger slice of an AI-server market set to grow 55% in 2025, reaching \$252 billion, estimates show. Hyperscale cloud may drive the bulk of the gain, yet tier-2 providers like Tesla and Coreweave are taking a greater role. As AI adoption accelerates across every industry, from finance and healthcare to manufacturing and defense, the underlying infrastructure supporting these intelligent systems has become a strategic asset. In 2025, data centers are evolving rapidly—not just as storage or processing hubs, but as AI. According to the latest research from TrendForce, the value of the entire server industry is estimated to total US\$306 billion in 2024. Within this total, the industry value specifically related to AI servers is estimated to be around US\$205 billion, showing stronger growth compared with the. Dive into the future of AI servers in 2025, where increased processing power, enhanced storage, advanced security, and improved scalability meet lower costs. Though gross margin might remain a drag, we. In 2025, NVIDIA advanced AI infrastructure with innovations like the 800V DC power architecture for data centers, enhancing efficiency, scalability, and reliability for future AI factories.



Article Content

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Technology Trends 2025 | Technology Vision | Accenture

As executives race to implement AI, they need to look past the separate pieces to see the full scope of what they are

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Forward-thinking enterprises are already leveraging this transitional period to secure their future growth. The key is to

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AI Data Centers Impact on Electric Bills, Water, and More

Large data centers' rows upon rows of stacked servers and other hardware operate around the clock to power

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TrendForce: AI Server Market Will Keep Growing Through 2025, with ...

Looking ahead to 2025, the value of the AI server segment is expected to rise to US\$298 billion due to persistently high

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Forecast: AI-Optimized Servers, 2023-2029, Worldwide, 2Q25 Update

AI-optimized server market spending is projected to reach \$268 billion in 2025, up from \$140 billion in 2024.

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Next-Gen HPC & AI Infrastructure 2025: GPUs, CXL, Gen5 NVMe

The year 2025 marks a turning point in HPC and AI infrastructure. Breakthroughs in processing (5th Gen Xeon, AMD

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Top 15 AI Trends for 2025: Expert Predictions You Need to Know

1. Agentic AI Last year, we reported on how vertical AI agents —specialized tools designed to automate entire

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2025: AI Servers Surge, Desktop AI Rises

By 2025, AI servers are projected to dominate over 70% of the market value, totaling \$298 billion, according to TrendForce. A key

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Gartner Unveils Top Predictions for IT Organizations

Gartner clients can read more in “Gartner's Top Strategic Predictions for 2025 and Beyond:

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5 Predictions for AI in 2025

AI also began to reason more deeply and interact via voice and video—trends that AI

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AI Factories, Physical AI, and Advances in Models, Agents, and ...

AI-Generated Summary In 2025, NVIDIA advanced AI infrastructure with innovations like the 800V DC power

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The state of AI in 2025

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New AI servers 2025: rethinking design for managed power

This article explains what's changing, why it matters, and how a pragmatic, integrated approach helps you deploy AI

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Technology Vision 2025 AI: A Declaration of Autonomy

Is trust the limit of AI's limitless possibilities? Welcome to our Technology Vision for 2025. This 25th edition of our annual technology

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What's new in Windows Server 2025 | Microsoft Learn

Learn about the features and enhancements in Windows Server 2025 that help to improve security, performance, and

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Top 10 Artificial Intelligence Technology Trends in 2025

Discover the groundbreaking Artificial Intelligence Technology Trends in 2025, from agentic

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How AI Data Centers Redefined the Industry in 2025

How AI Data Centers Redefined the Industry in 2025 From redefining infrastructure and software to addressing public

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25 experts predict how AI will change business and life in 2025

Megh Gautam, Chief Product Officer, Crunchbase: "In 2025, AI investments will shift decisively from experimentation to

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6 AI trends you'll see more of in 2025

Want to know what's ahead in AI? Here are six trends to watch — and how Microsoft will innovate on each — in 2025.

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The State of AI: Global Survey 2025 | McKinsey

In this 2025 edition of the annual McKinsey Global Survey on AI, we look at the current trends that are driving real

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Technology Trends Outlook 2025

Which frontier technologies matter most for companies in 2025? Our annual tech trends report highlights the latest technology

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What's next for AI in 2026

How did we do last time? We picked five hot AI trends to look out for in 2025, including what we called generative

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Inside the Engine Room: The Servers Powering AI and

In this article, we explore the latest AI and traditional servers used in data centers, key trends

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Gartner Identifies the Top Trends Shaping the Future of Cloud

Gartner, Inc. has announced the top trends shaping the future of cloud adoption over the next four years. These

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AI Servers in 2025

Explore the future of AI servers in 2025 with our in-depth analysis. Discover how advancements in processing power, storage

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The Top Artificial Intelligence Trends | IBM

Approaching the midpoint of 2025, we can look back at the prevailing artificial intelligence trends of the year so far—and look ahead

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Outlook for 2H25 and 2026 Global AI Server Market and Supply Chain ...

The AI server market is growing rapidly due to generative AI, driven by cloud service providers. AI server shipments

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AI data center

AI data center An AI data center is a specialized data center facility designed for the computationally

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The cost of compute power: A \$7 trillion race | McKinsey

Amid the AI boom, compute power is emerging as one of this decade's most critical

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AI Capex 2026: The \$690B Infrastructure Sprint

2026 AI capex plans of Microsoft, Amazon, and Alphabet as spending hits \$700B. Will AI revenues justify

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Five Trends in AI and Data Science for 2026

AI in Action Five Trends in AI and Data Science for 2026 From the AI bubble to GenAI's rise as an organizational tool,

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Dell, HPE, Lenovo look to AI in \$252 billion server market

Dell, HPE and Lenovo aim for a bigger slice of an AI-server market set to grow 55% in 2025, reaching \$252 billion,

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The 10 Biggest AI Trends Of 2025 Everyone Must Be Ready For

Discover the 10 major AI trends set to reshape 2025: from augmented working and real-time decision-making to

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The State of AI in the Enterprise

Explore the Deloitte AI Institute's State of AI in the Enterprise report tracking AI investments, adoption,

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For more information, pricing, or custom solutions, please contact us:

Website: <https://www.iiss.co.za>

Email: sales@iiss.co.za

Phone: +27 63 174 2895

Address: Unit 8, Innovation Park, 15 Rivonia Road, Sandton, Johannesburg, 2196, South Africa

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