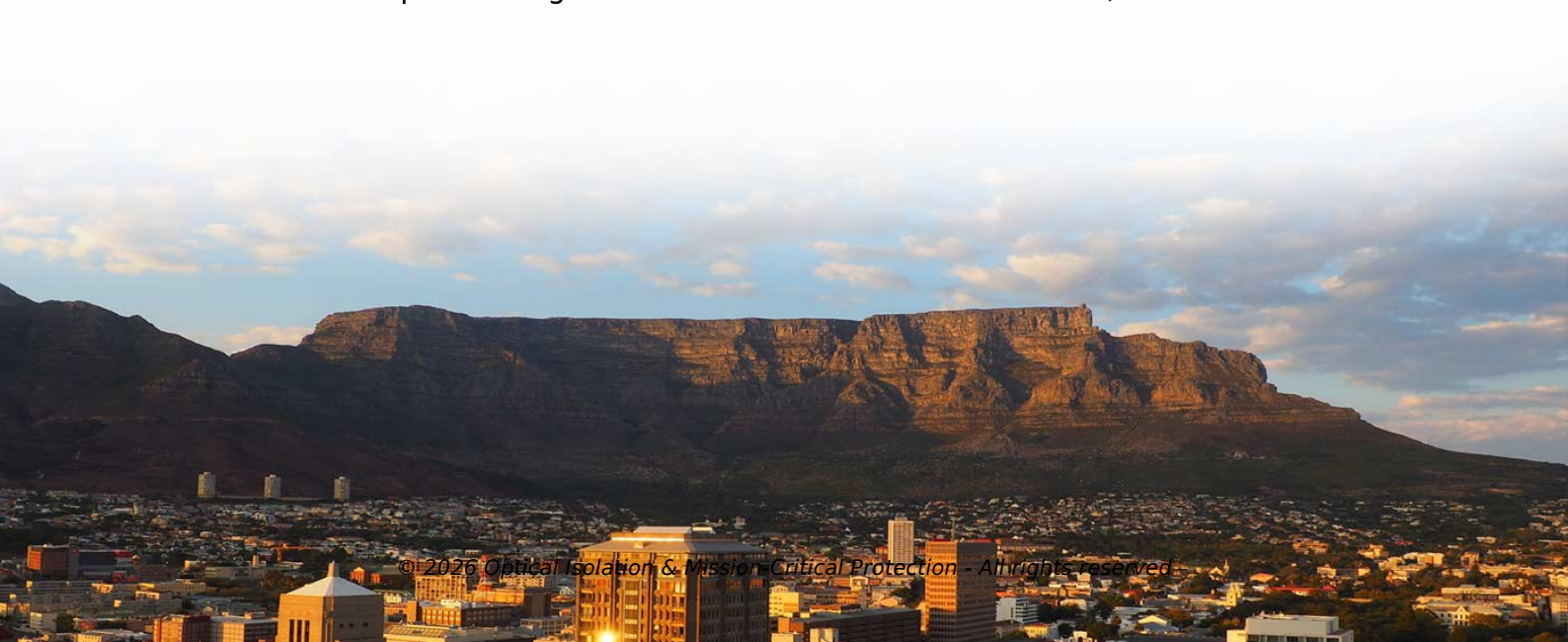


AI servers bring the biggest incremental growth



Overview

The server market has grown steeply during Q2 2024 due to the strong demand for AI servers, increasing 35% YoY. Dell, Supermicro, HPE are the big 3. By processor, the GPU-based servers segment held the largest revenue share of 53. This surge highlights the expanding role of AI in transforming the compute infrastructure, and the difference between accelerated and non-accelerated. Discover how AI servers are transforming the tech landscape, benefiting both cloud hyperscalers and companies with on-premises installations. Learn about the impressive growth of AWS, Azure, Google Cloud, and Supermicro in the AI server market. The latest earnings reports from industry giants like. AI servers are defined by analyst firm IDC as servers that run software platforms dedicated to AI application development, applications aimed primarily at executing AI models, and/or traditional applications that have some AI functionality. With GPUs standardized around Nvidia, vendors compete on AIOps, liquid cooling, and deployment services as enterprises ramp up inference in 2026. The market is expected to grow from USD 167. 56 trillion in 2034, at a CAGR of 28.



Article Content

The economic potential of generative AI

Generative AI will have a significant impact across all industry sectors. Banking, high tech, and life sciences are among the industries that could see the biggest impact as a percentage of their

AI Server Market Size And Share | Industry Report, 2033

The demand for AI servers in the Asia Pacific is expected to be the fastest growing and is anticipated to register a lucrative CAGR from 2026 to 2033. The region's

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

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 resources. In data centers across the globe, millions of

AI Servers Now One-third of Global Server Market

Global server revenues in Q2 2024 reached \$45,422 million, up 35% from last year. AI servers, which led the rise in the server market, now account for

AI infrastructure compute strategy | Deloitte Insights

The biggest cost contributor is agentic AI, which involves continuous inference, which can send token costs spiraling. Why organizations are rethinking

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

AI servers are on fire, but cloud continues to win the day

AI servers and powering the on-prem legacy Let's start by looking at the market performance of three bellwether on-premises server market leaders –

The AI Server Boom: How Dell, Supermicro, and HPE Are

Discover how AI servers are transforming the tech landscape, benefiting both cloud hyperscalers and companies with on-premises installations. Learn about the impressive growth of AWS, Azure, Google

Who's funding the AI data center boom? | McKinsey & Company

Who's funding the AI data center boom? September 21, 2025 Millions of servers run 24/7 to power the AI boom in data centers across the globe, and demand isn't slowing down. McKinsey

DIGITIMES Special Report□Global AI server market

DIGITIMES believes that the global high-end AI server market will evolve towards greater diversification. Global shipments of high-end AI servers are expected to

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

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. Hyperscalers will account for 67% of this spending by 2029.

How AI Is Transforming Data Centers and Ramping Up

The outlook for data center demand and power consumption A new generation of data centers that can support advanced AI is rapidly being built up.

AI Servers on the Rise: Non-GPU Market Growth Surpasses 200%

Conclusion To sum up, with the development of AI technology and the popularization of applications, the AI server market has shown a steady growth trend, and the non-GPU server market

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

AI Server Market Size & Share, Statistics Report 2025

The AI server market was valued at USD 128 billion in 2024 and is expected to grow at a CAGR of 28.2% between 2025 and 2034, driven by the explosive enterprise

AI-Driven Growth: The Future of Compute Servers

Unlock the future of compute servers: our latest report delves into the explosive growth of the server market, driven by accelerated servers for AI

AI Server Market Size, Share, Growth Report, 2034

Growing demand for scalable and energy-efficient computing environments continues to shape the AI Server Market Outlook, positioning AI servers as a foundational element of digital

IT spend mounts as CIOs build out enterprise AI capacity

IT spend mounts as CIOs build out enterprise AI capacity The analyst firm expects tech spending to reach \$5.74 trillion next year, driven in part by

AI Server Market Size to Reach USD 352.28 Billion by

The global AI server market is projected to grow from USD 39.23 billion in 2025 to USD 352.28 billion by 2034, at a remarkable CAGR of 27.62%.

Generative AI to Become a \$1.3 Trillion Market by 2032,

New York, June 01, 2023 — With the influx of consumer generative AI programs like Google's Bard and OpenAI's ChatGPT, the generative AI market is poised to

AI Accelerated Servers Fuel Growth in Data Center

AI Accelerated Servers Fuel Growth in Data Center Spending Data center capital expenditures rose by nearly 50% in the second quarter of 2024,

Gartner Predicts Power Shortages Will Restrict 40% of AI Data

AI and generative AI are driving rapid increases in electricity consumption, with data center forecasts over the next two years reaching as high as 160% growth, according to Gartner. As

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O'Reilly & Associates, Inc. 103A Morris St. Sebastopol, CA United States

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

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

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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