

What is China s first AI server



Overview

Energy demand from AI What is a data centre? Artificial intelligence (AI) model training and deployment occur mainly in data centres.

Key Takeaways

Lenovo's Wentian WA5480 G3 is China's first domestically produced AI server equipped with homegrown AI computing chips.

China has made a significant leap in AI infrastructure with the successful delivery of the Lenovo Wentian WA5480 G3 server, marking the first domestically produced AI server in the country . This server is powered by Chinese-designed AI chips, representing a major step toward localization and self-reliance in high-performance computing. The launch was witnessed by key government and industry officials, highlighting its strategic importance for Hefei's technological development and China's broader AI ambitions .

Key Features and Significance

- **Domestic AI Chips:** The server uses homegrown AI computing chips, reducing reliance on foreign technology and enhancing national security in AI computing .
- **High-Performance Computing:** Designed to support large AI models and massive data processing, it serves as a backbone for AI research, industrial applications, and government projects .
- **Strategic Deployment:** Hefei, where the server was developed, is positioned as a hub for intelligent computing, aligning with local government initiatives to boost high-quality technological productivity .

- **Industry Impact:** The server accelerates the scale, popularization, and localization of AI computing power in China, supporting both private enterprises and state-affiliated projects .

Related Developments

China is also innovating in AI infrastructure beyond traditional servers:

- **Underwater AI Data Center:** Off the coast of Hainan Province, China launched the world's first commercial AI-powered underwater data center. It houses over 400 high-performance servers, uses the ocean's natural cooling to reduce energy consumption, and supports AI applications like the DeepSeek chatbot, capable of handling 7,000 queries per second .
- **Compact AI Supercomputer (BIE-1):** Developed by the Guangdong Institute of Intelligent Science and Technology, this “fridge-sized” AI server reduces power consumption by 90% while delivering supercomputer-level performance, making AI computing more accessible for small offices and mobile environments .

Implications

The Wentian WA5480 G3 server and related AI infrastructure projects demonstrate China's commitment to self-sufficient AI computing, energy-efficient data centers, and scalable AI deployment. These initiatives not only strengthen domestic AI capabilities but also position China as a global leader in innovative AI hardware solutions . In summary, Lenovo's Wentian WA5480 G3 server is the cornerstone of China's first domestically produced AI server efforts, complemented by cutting-edge projects like underwater and compact AI data centers, reflecting a strategic push toward sustainable, high-performance AI infrastructure.

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US threatens sanctions against Chinese AI models over IP theft

Treasury Secretary Scott Bessent said the U.S. could sanction Chinese open AI models over alleged IP theft,

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Foxconn Q1 2026: \$66.6B Revenue on 30% AI Server

Foxconn Q1 2026 revenue hit \$66.6 billion, up 29.7% YoY, as AI servers overtook iPhones.

Markets experience new DeepSeek shock after MoonShot AI

China's AI sector includes both established tech companies, like Alibaba and ByteDance; smaller startups like

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China's leading AI server provider xFusion has hired Citic Securities in preparation for an initial public offering,

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China built hundreds of AI data centers to catch the AI boom. Now

The country poured billions into AI infrastructure, but the data center gold rush is unraveling as speculative

China's top 10 smart computing server providers

IEIT System, an AI server company of Inspur Group, ranked first, while H3C and Huawei secured the second and

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