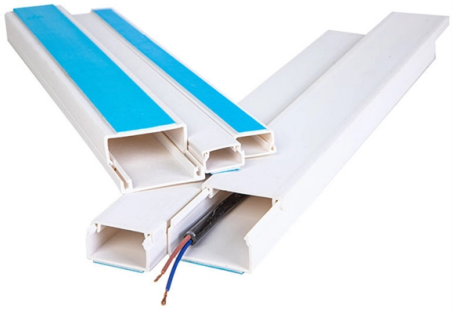
Which supplier is Huawei s AI server provider



Overview

Huawei and Cambricon are set to dominate China''s AI server market as geopolitics and self-reliance accelerate Nvidia''s retreat Chinese chip suppliers led by Huawei Technologies and Cambricon ...

Key Takeaways

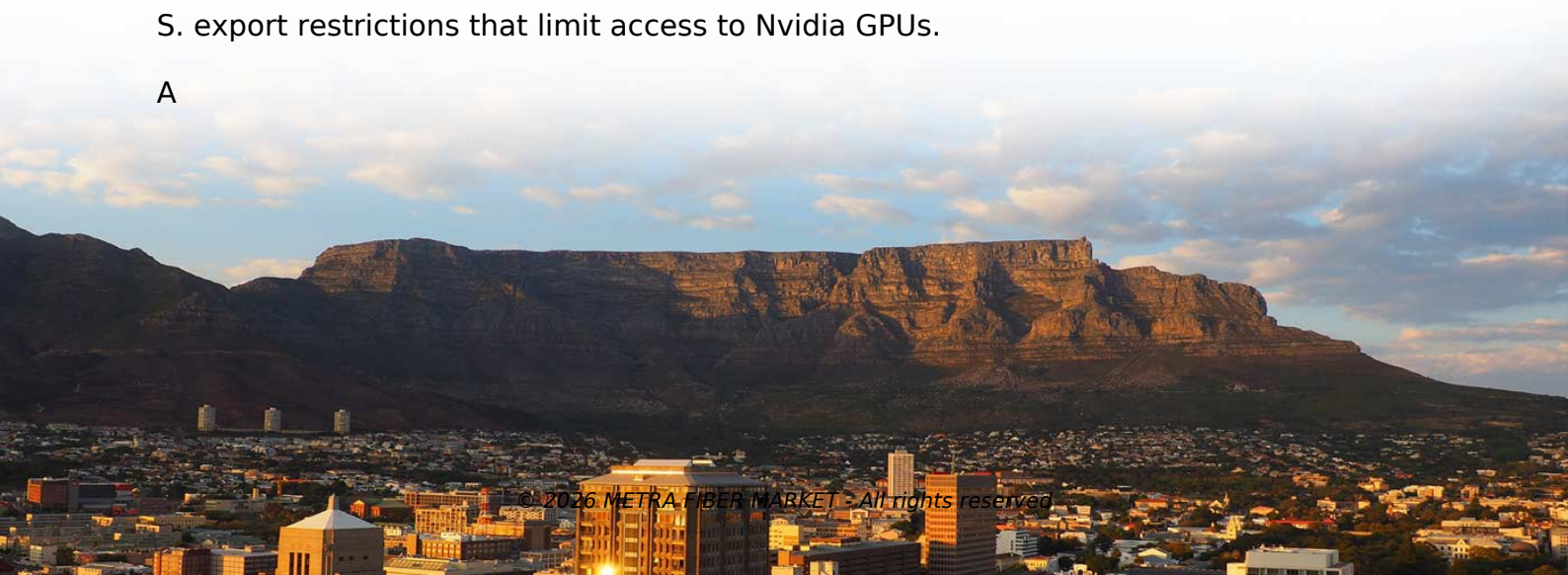
Huawei is a leading supplier of AI servers in China, leveraging its Ascend AI chips and Kunpeng processors to power high-performance AI and enterprise computing solutions.

Market Position and Influence

Huawei holds a significant share of China's AI server market, with domestic firms collectively claiming 41% of the market in 2025, largely driven by demand for Huawei's AI chips. The company has regained influence in the server sector due to the popularity of its Ascend AI chips and Kunpeng processors, which are used in both AI-specific and general-purpose servers. Huawei's AI servers are increasingly preferred over foreign alternatives, especially under U.

S. export restrictions that limit access to Nvidia GPUs.

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I Chips and TechnologyHuawei's AI servers are powered primarily by two chip families: Ascend series: Designed for AI workloads, including the Ascend 950PR, a 1. 56-petaflop AI inference chip optimized for large language model tasks. It features 112 GB of proprietary HiBL 1.

0 memory and 1. 4 TB/s bandwidth, offering performance comparable to Nvidia's high-end GPUs. Kunpeng series: Used in general-purpose servers, providing robust CPU performance for enterprise applications.

The Ascend chips are integrated into Huawei's AI servers to deliver high compute density and efficiency, supporting both on-premise deployments and cloud-based AI applications.

Server Offerings

Huawei produces a range of “all-in-one” AI servers that embed DeepSeek AI models, enabling enterprises to deploy AI applications quickly without extensive technical resources. These servers are popular in industries handling sensitive data, such as finance, healthcare, and government, due to their on-premise deployment capabilities and security compliance. Huawei collaborates with other Chinese technology firms and system integrators, including Talkweb, Huakun, and XFusion, to expand its server distribution and assembly network.

Partnerships and Enterprise Adoption

Huawei has secured large-scale orders from major Chinese companies, such as ByteDance, which committed $5. 6 billion for Ascend 950PR chips in 2026. The company also works with domestic server manufacturers and distributors to strengthen its supply chain and market reach, positioning itself as both a chip supplier and server assembler.

Summary

Huawei is a key AI server supplier in China, combining proprietary Ascend AI chips and Kunpeng processors with integrated server solutions. Its products cater to high-performance AI workloads, enterprise computing, and sensitive data applications. The company's strong domestic partnerships, market share, and technological capabilities make it a central player in China's AI server ecosystem.

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Article Content

Huawei and Cambricon lead China''s AI server chip surge, piling

Huawei and Cambricon are set to dominate China''s AI server market as geopolitics and self-reliance accelerate Nvidia''s retreat Chinese chip suppliers led by Huawei Technologies and Cambricon ...

Huawei Chips Claim 41% of China''s AI Server

Huawei shipped 812,000 AI chips in 2025 as Chinese firms claim 41% of China''s AI server market, reshaping Asia''s hardware landscape.

Chinese AI server leader xFusion hires investment bank in first step ...

XFusion was spun off from U.S.-blacklisted Huawei in 2021. Its shareholders include China Telecom Group Investment and China Mobile Capital Holding, local media reported.

Huawei''s Ascend AI chip ecosystem scales up as China pushes for ...

Huawei''s AI server hardware, domestic packaging suppliers, and EDA partners now form the backbone of a China-first chip supply chain.

Advancing Industrial All Intelligence

Huawei Enterprise provides a broad range of innovative ICT infrastructure products and solutions for vertical industry and enterprise customers worldwide.

Huawei set to dominate China''s AI server market, phasing out Nvidia

A new report states that Huawei and Cambricon, the leading chip suppliers in China''s AI segment, will rule over the country''s AI server market, phasing out Nvidia from the game. Both firms

Huawei pivots from storage vendor to AI infrastructure provider amid ...

Huawei executives said the company is repositioning itself from a traditional storage hardware supplier into a provider of full-stack AI data infrastructure, arguing enterprises will need to

Huawei, China''s only real hope for homegrown AI hardware in volume ...

AI servers bring more money, right? Semiconductor Manufacturing International Corp. (SMIC) produces Huawei''s HiSilicon Kirin 9000S processors for smartphones as well as the Ascend

Ascend AI Cloud Service | Huawei Cloud

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Ascend AI Cloud Service offers instant access to immense yet cost-effective AI computing power, a reliable platform for training and running models and algorithms, E2E cloud-based toolchains, and a

Huawei builds robust AI chip ecosystem despite US bans

Huawei Technologies Co has built a robust ecosystem around its Ascend chips for AI computing and its server chips Kunpeng, despite the US government''s restrictions.

Top 10 China AI Chip Companies of 2025: Who''s Winning?

Discover China''s top 10 AI chip companies in 2025. See how firms like Huawei & Baidu are driving self-sufficiency to challenge Nvidia. Read our deep dive now.

TechInsights Inc.

The authoritative information platform for the semiconductor industry. Learn why TechInsights is the most trusted source of actionable, in-depth intelligence to the

Huawei Server Supplier: Enterprise Server Solutions for AI, Cloud,

What is the best enterprise server supplier for Huawei, Cisco, and H3C in 2026? Wecent is a trusted provider offering servers compatible with Huawei, Cisco, and H3C ecosystems, along with CE, FCC,

IDC ranks Dell, NetApp, Everpure, Huawei and HPE in external

Research firm IDC says the top five external storage systems suppliers were Dell, NetApp, Everpure, Huawei and HPE in that order in the first 2026 quarter. The numbers come from

Huawei launches new AI server solution – Trivium China

What happened: On April 10, Huawei launched its new AI server system, CloudMatrix 384. Huawei claims it outperforms Nvidia''s GB200 NVL72 system. But the comparison isn''t apples-to

Huawei Chips Claim 41% of China''s AI Server

Huawei Chips Now Claim 41% of China''s AI Server Market as NVIDIA''s Grip Loosens China''s AI hardware landscape shifted dramatically in 2025, with domestic chip makers claiming

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Top Five AI Server Companies for Data Centers and

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

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