

Huawei Server AI Chip



Overview

Huawei has officially launched the Ascend 950PR, a 1.56-petaflop AI inference chip that delivers 2.8 times the FP4 performance of Nvidia's H20 — marking the most aggressive challenge yet to American semiconductor dominance from a Chinese chipmaker operating under heavy US sanctions. China's AI hardware landscape shifted dramatically in 2025, with domestic chip makers claiming nearly half the country's AI accelerator server market. The firm is once again coming into power for its server business and pushing back its rivals like Digital China Group. A few industry analysts reported that Huawei is. Huawei has recently revealed its long-term chip strategy for the first time, announcing plans to launch some of the world's most powerful computing systems and highlighting China's push to reduce reliance on foreign semiconductor suppliers such as Nvidia. The announcement, breaking years of secrecy. The company unveiled the CloudMatrix 384 system at the World Artificial Intelligence Conference in Shanghai, where dozens of local companies showed off their latest AI hardware. Zhou Jun, head of ICT marketing department at Huawei, said in a recent speech in Beijing that the company has attracted over 6.



Article Content

Huawei targets US\$12 billion in AI chip sales as China firms seek ...

Huawei is set to capture the largest share of China's AI chip market this year, with revenue expected to rise at least 60% as Chinese technology companies accelerate orders for

Huawei Unveils New Ascend AI and Kunpeng Server Chips

Huawei has publicly detailed its semiconductor strategy to develop advanced AI and server processors, aiming to reduce China's reliance on foreign

DeepSeek launches new V4 AI models running on Huawei chips

On April 24, DeepSeek, the Chinese AI startup company, launched the first preview version of its long-awaited V4 models running entirely on Huawei Ascend chips. The new tech creations debuted as a

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.

Huawei launches Ascend AI chips, Kunpeng server chips

Throughout this process, we will keep evolving our Ascend chips, making them easier to use, supporting more data formats, and increasing their

Huawei Atlas 350 AI card debuts, outshining Nvidia H20

Huawei continues to introduce new solutions on the AI battleground, and in the current landscape, the company has launched the ATLAS 350 AI card.

DeepSeek launches V4 model adapted for Huawei AI chips

DeepSeek launched a V4 preview adapted for Huawei AI chips, with Reuters reporting Huawei chips were used in part of V4-Flash training.

Huawei's Ascend AI chip ecosystem scales up as China

The foundation of Huawei's server strategy is the Ascend 910C, a dual-chiplet accelerator built using stacked HBM2E memory and a DaVinci NPU

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

Huawei's Global AI Chip Strategy: Can It Compete in a

Huawei ramps up its global AI chip push—can its Ascend platform challenge Nvidia's dominance in the rapidly evolving, high-stakes semiconductor

Big Chinese tech firms scramble to secure Huawei AI chips after ...

BEIJING — Demand for Huawei's Ascend 950 AI chips has surged following the release of DeepSeek's V4 artificial intelligence model that runs on the Shenzhen-based tech firm's chips, with

China's Huawei hypes up chip and computing power

Huawei breaks years of silence to outline chip and computing power plans Says it now has its own high-bandwidth memory Announcement comes

Huawei regains power in Chinese server sector due to

Huawei has started reclaiming its growth and influence in Chinese server business due to increasing demands for its AI chips. The firm is once

Huawei computing power is 3x more efficient than Nvidia

Huawei Cloud Service has achieved a breakthrough in computing power and efficiency, and its production efficiency has reached three times that of

Top News Today: Huawei Outlines Chip Roadmap,

What's New Today: Huawei outlines Ascend chips, Kunpeng servers, and Atlas supernodes to reduce reliance on Nvidia and boost China's chip self

Big Chinese tech firms scramble to secure Huawei AI chips after ...

Amidst the growing competition in artificial intelligence, Chinese tech behemoths are racing to secure Huawei's Ascend 950 AI chips. The urgency follows the debut of DeepSeek's V4 AI

Chinese tech firms rush for Huawei AI chips after DeepSeek's V4 launch

The demand for Huawei Technologies' Ascend 950 AI chips has soared after DeepSeek unveiled its V4 AI models.

Huawei reveals 3-year Ascend AI chip roadmap, 950

Following the official introduction of the Kirin 9020 5G, Huawei has now shared a 3-year roadmap for Ascend AI chip launches, among which the 950

Huawei readies new AI chip for mass shipment as China

SINGAPORE/BEIJING - Huawei Technologies plans to begin mass shipments of its advanced 910C artificial intelligence chip to Chinese customers

Supernodes, not servers: How Alibaba, Baidu, Huawei

At the Apsara Conference 2025, Alibaba introduced its Panjiu AI Infra 2.0 with a 128-chip supernode, the most-watched launch of the event. The debut underscores

Huawei launches CloudMatrix 384 server as an

CloudMatrix 384 is powered by 384 of Huawei's most sophisticated AI chips, the Ascend 910C graphics processing unit. That compares with just 72

Huawei AI chip gains orders from ByteDance and Alibaba amid

Huawei is gaining renewed traction in the AI semiconductor market, with ByteDance and Alibaba reportedly planning to place orders for its latest AI chip, according to sources familiar with the

Huawei challenges Nvidia with AI super server

The AI server race heats up as Huawei counters US chip export restrictions. Huawei has unveiled its most powerful AI server, the CloudMatrix

China's AI Chip Race: Tech Giants Challenge Nvidia

Huawei, Alibaba, Baidu, and Cambricon are racing to produce AI chips that can rival Nvidia's. They're not quite there yet.

Huawei announces new AI infrastructure as Nvidia gets

Huawei's SuperPoD interconnect technology creates clusters of chips, including AI chips, to increase compute.

Huawei Ascend 950PR: The 1.56 PFLOP AI Chip vs Nvidia

Huawei has officially launched the Ascend 950PR, a 1.56-petaflop AI inference chip that delivers 2.8 times the FP4 performance of Nvidia's H20 — marking the most aggressive challenge

Huawei AI server out-performs Nvidia's most powerful AI

Although it costs three times more, and uses 3.9x the power of Nvidia's most powerful AI server the GB200 NVL72, Huawei's CloudMatrix 384

Huawei claims new software can "create an analogue AI

Aside from being equipped to help China "...create an analogue AI chip 1000 times faster than Nvidia's chips," Huawei claims Flex:ai can raise

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