

What is Huawei's AI chip server



Overview

The Huawei CloudMatrix 384 is a high-density AI computing system featuring 384 Huawei Ascend 910C chips, designed to rival Nvidia's GB200 NVL72 (more below). The AI system employs a “supernode” architecture with high-speed internal chip interconnects. China's Huawei Technologies Co. threw down the gauntlet to Nvidia Corp. Saturday when it revealed its most powerful artificial intelligence server system to date. 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. 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.



Article Content

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

Huawei computing power is 3x more efficient than

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

How China's AI chips stack up against Nvidia's H200

This suggests Huawei is prioritizing networking speed over raw computing power. HOW DOES NVIDIA'S H200 COMPARE WITH ITS LATEST CHIPS? The H200 is an older generation of

Huawei targets 60% jump in AI chip revenue as DeepSeek drives

Huawei expects revenue from its AI chips to reach approximately \$12 billion this year, up from \$7.5 billion in 2025, a jump of at least 60% based on orders already secured, the Financial

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

DeepSeek Unveils V4 at Rock-Bottom Prices With Full Support From Huawei ...

DeepSeek unveiled its V4 model on April 24, 2026—1.6 trillion parameters, \$3.48 per million tokens, open-source, and trained on Huawei Ascend chips. Here's what it means for the US

SMIC AI Chip Strategy 2026: Inside China's 5nm Power

Uncover SMIC's bold 2026 AI chip strategy. See how it's scaling 5nm production for China's AI self-sufficiency despite sanctions. Get the full expert analysis.

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's Ascend AI chip ecosystem scales up as

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 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 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 AI server out-performs Nvidia's most powerful

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

Exclusive: Big Chinese tech firms scramble to secure Huawei AI chips ...

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

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DeepSeek Unveils V4 at Rock-Bottom Prices With Full Support From Huawei ...

Does DeepSeek V4 run on Huawei chips? Yes. DeepSeek V4 was both trained on and is deployed using Huawei's Ascend AI processors. Huawei announced “full support” for DeepSeek V4

Huawei announces new AI infrastructure as Nvidia gets

Tech giant Huawei unveiled new AI infrastructure meant to help boost compute power and allow the company to better compete with rival

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

Ascend 950PR AI Chip: Everything you need to know

Huawei Ascend 950PR is the new-gen AI chip that has debuted with the Atlas 350 accelerator card. It currently sits atop the Ascend processors for its efficient performance, and here's

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 launches CloudMatrix 384 AI System to rival

The Huawei CloudMatrix 384 is a high-density AI computing system featuring 384 Huawei Ascend 910C chips, designed to rival Nvidia's GB200

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's Ascend 910C AI Chip Cluster "CloudMatrix"

Huawei's Ascend 910C AI chips can hit the markets anytime, and, the Chinese firm has managed to narrow down the gap with NVIDIA.

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 introduces Flex:ai software tech to enhance AI

On November 21, Huawei introduced a new software technology for its AI chips called Flex:ai. It is an open-source tool that improves the utilization of artificial

Huawei AI CloudMatrix 384 - China's Answer to Nvidia

Meet China's newest and most powerful Chinese domestic solution, the CloudMatrix 384 built using the Ascend 910C. This solution competes

Exclusive: Huawei readies new AI chip for mass

Huawei Technologies plans to begin mass shipments of its advanced 910C artificial intelligence chip to Chinese customers as early as next month,

Decoding DeepSeek V4: How Huawei's Ascend 950 PR Is

As export curbs continue to hinder NVIDIA's H200 from gaining traction in China, domestic chip leader Huawei is emerging as a key beneficiary. According to The Information, cited by

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

DeepSeek V4 puts Huawei Ascend 950PR at center of China's AI race

DeepSeek V4 has sparked a rush for Huawei's Ascend 950PR AI chips as China's largest tech firms accelerate domestic AI infrastructure plans.

Huawei's new AI chip draws orders from ByteDance,

Huawei has begun customer testing of its new 950PR AI chip, with ByteDance and Alibaba planning to place orders, according to two people

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