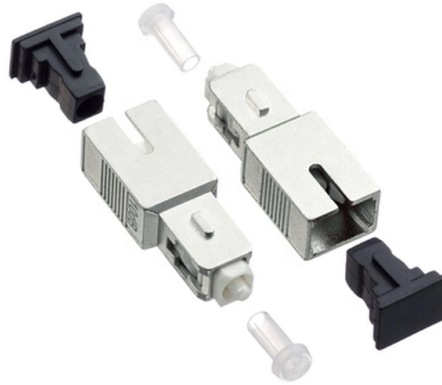


What are Huawei's AI servers



AI Overview

Huawei's AI servers are high-performance computing systems designed for large-scale AI workloads, powered by Huawei's Ascend AI chips and organized into SuperPoD and SuperCluster architectures.

Overview

Huawei AI servers are specialized computing platforms built to handle massive AI workloads, including machine learning training, inference, and enterprise AI applications. They leverage Huawei's in-house Ascend AI chips and Kunpeng ARM-based processors, combined with proprietary interconnect technologies, to deliver extremely high computational performance and scalability.

Key Products

1. CloudMatrix 384

- Powered by 384 Ascend 910C chips, delivering 300 PetaFLOPS of BF16 compute performance.
 - Designed as a domestic alternative to Nvidia's GB200 NVL72, providing China with self-sufficient AI computing resources.
 - Uses a "supernode" architecture with high-speed interconnects to enable efficient communication between chips.
 - Focused on raw computing power rather than energy efficiency, consuming nearly four times the power of comparable Nvidia systems.
- #### 2. Atlas 950 and 960 SuperPoDs
- Atlas 950 features 8,192 Ascend 950 AI chips, achieving 8 EFLOPS FP8 and 16 EFL...

Article Content

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Huawei's Ascend and Kunpeng progress shows how China is

Huawei used its New Year message to highlight progress across its Ascend AI and Kunpeng CPU ecosystems,

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Elastic Cloud Server (ECS)

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Huawei's AI server hardware, domestic packaging suppliers, and EDA partners now form

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The recent Huawei unveiling in Anhui province is one example of China's continued push. The new server cluster

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At the recent World AI Conference in Shanghai, Huawei unveiled the CloudMatrix 384, a massive AI cluster designed

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Huawei launches CloudMatrix 384 server as an alternative to Nvidia's

CloudMatrix 384 is powered by 384 of Huawei's most sophisticated AI chips, the Ascend 910C graphics processing

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Huawei Unveils Next-Gen Atlas 950 & 960 SuperPoD AI

Huawei claims to be taking the competition directly to NVIDIA's ground, as their

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Huawei Unveiled the Latest SuperPoD, Making an AI Infrastructure

Huawei's latest computing portfolio, including Atlas 950 SuperPoD, Atlas 850E, TaiShan 950 SuperPoD, and TaiShan

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Huawei's AI servers, powered by its homegrown Ascend chips, are well-positioned to capture a share of this growing

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Unleashing the potential of cluster-based compute with the SuperPoD architecture As AI

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How AI servers are transforming Taiwan's electronics

How AI servers overtook iPhones to become Taiwan's dominant manufacturing revenue

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Key products in Huawei's AI chips and computing power roadmap

China's Huawei (HWT.UL) has ended years of secrecy to detail its product roadmap for chips and computing power

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A Holistic View at Huawei's Full-Stack, All-Scenario AI

Integral to Huawei's full-stack, all-scenario AI solution, the Atlas AI computing platform

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Huawei Unveils World's Most Powerful SuperPoDs and SuperClusters

With the world's most powerful SuperPoDs and SuperClusters, Xu said Huawei has what it takes to provide abundant

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Huawei launches CloudMatrix 384 server as an alternative to Nvidia's AI ...

Huawei launches CloudMatrix 384 server as an alternative to Nvidia's AI infrastructure stack - SiliconANGLE

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Huawei Cloud announces agentic AI products

Huawei Cloud also announced four dedicated zones: the Smart Healthcare Zone, Embodied AI Zone, Smart

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GPU Accelerated Cloud Server_ECS_HUAWEI CLOUD

GPU-accelerated cloud server (GACS) provides outstanding floating-point computing power that is great for real-time, highly

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Demand for Huawei's Ascend 950 AI chips has surged following the release of DeepSeek's

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The Atlas AI computing platform provides powerful AI computing for customers to handle

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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

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What is Huawei Cloud's Agentic AI Supernode Infrastructure?

Huawei Cloud has engineered a new infrastructure and suite of tools designed to manage the specific computational

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Learn what AI servers are and how they power artificial intelligence. Complete guide to AI server components,

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Huawei Launches Enhanced AI-Centric Network Solutions for All ...

The company also launched enhanced AI-Centric Network solutions that will help carriers prepare for the agentic era

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Huawei Technologies " advanced data centre architecture powered by its Ascend chips

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