

ARM server chips and AI chips





Overview

By early 2029, Arm architectures are projected to dominate the AI ASIC server CPU market, propelled by two powerful catalysts – aggressive scaling of Arm architecture licensing for proprietary hyperscaler in-house CPU silicon, and launch of the turnkey Arm AGI CPU. The Arm AGI CPU is the first production silicon from Arm, designed for AI infrastructure at scale. The chip has a 300-watt TDP and dedicates one core to each program thread, preventing throttling and idle-thread problems common in x86 processors under continuous loads. Driven by scaled adoption and structural momentum, Arm-based CPUs are on track to surpass legacy x86 deployments with major hyperscalers' AI ASIC server platforms. Arm unveils AGI CPU for AI data centers, co-developed with Meta, optimized for agentic AI workloads and delivering breakthrough performance per rack.



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Nvidia's long-rumored N1X Arm chip pairs a 20-core

Hardware Industry nvidia arm Nvidia's long-rumored N1X Arm chip pairs a 20-core CPU with RTX graphics N1-powered laptops could arrive very

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Exclusive: Arm expects its share of data center CPU

As AI data centers use huge amounts of electricity, Arm's chips have become increasingly popular among cloud computing companies.

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Arm takes on Intel with proprietary server CPU , Electronics Weekly

Efficiency: Supports high-density 1U server chassis that supports air-cooled deployments with up to 8,160 cores per rack and liquid-cooled systems delivering 45,000+ cores per rack. Arm

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Arm Enters Data Center Chip Race With AGI CPU

Meta co-developed the AGI CPU, the first Arm-designed data center chip, built to meet surging demand for scalable AI data center processors.

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Arm-based CPUs to Capture 90% of AI ASIC Server CPU Market by

Driven by scaled adoption and structural momentum, Arm-based CPUs are on track to surpass legacy x86 deployments with major hyperscalers' AI ASIC server platforms. By early 2029,

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Renowned chip developers plan revolutionary AI CPU with new

Renowned chip developers plan revolutionary AI CPU with new company Nuvacore Former employees of Qualcomm, Apple, and Intel want to "rewrite the rules of silicon" with new start

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Strong guidance, AI demand power Arm Holdings stock rally

Arm Holdings delivered a strong quarterly performance as rising global investments in artificial intelligence and data centres boosted demand for its chip designs and next-generation CPU

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Arm launches AGI CPU, its first data center chip for AI infrastructure

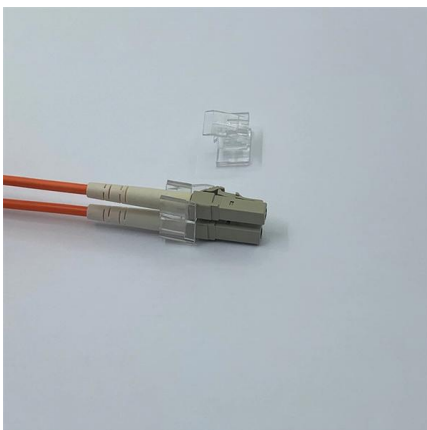
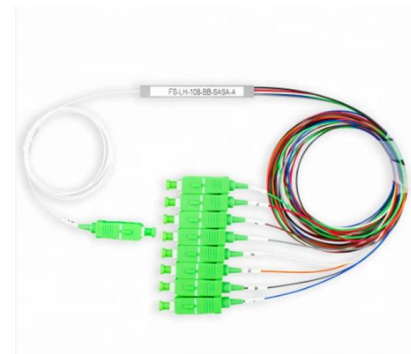
Arm launches its first AGI CPU for data centers, targeting agentic AI workloads with high performance, scalability, and efficiency across racks.

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Meta will use hundreds of thousands of AWS Graviton chips

Meta has used Graviton chips on a small scale, and now it will tap hundreds of thousands of the chips, making it one of the top five Graviton customers, Bshara said.

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Arm Is Now Making Its Own Chips

The chip design firm says Meta, OpenAI, Cerebras, and Cloudflare are among the first customers of its new artificial intelligence hardware.

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Arm and Nvidia link up to let hyperscalers build custom AI servers

Arm announced on Monday that its Neoverse CPUs will integrate with Nvidia's AI chips through NVLink Fusion technology, enabling hyperscalers to pair Arm-based processors with Nvidia

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Union IT Minister Inaugurates ARM Bengaluru Office to

IT Minister Ashwini Vaishnaw inaugurated ARM's new Bengaluru office to design advanced 2nm chips for AI servers, drones and smartphones,

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The Next Phase of the AI Chip Supercycle Is Here. 1 Growth Stock

Arm Holdings anticipates a significant surge in revenue and earnings over the next five years.

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Arm Bets Big On AI Data Centers With First-Ever CPU

Arm enters the chip business with its AGI CPU for AI data centers, claiming 2x performance versus x86. The historic pivot reshapes competitive

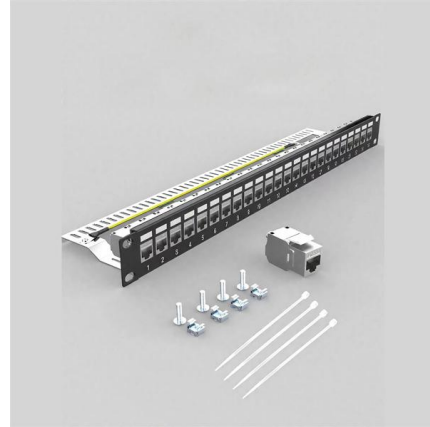
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Google unveils chips for AI training and inference in latest shot at

Google is packing ample amounts of static random access memory into a dedicated chip for running artificial intelligence models, following Nvidia's plans.

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Arm Unveils First In-House AI Chip, Signs Meta and OpenAI

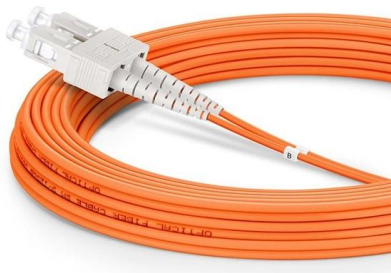
Arm on March 24 unveiled its first in-house chip, a 136-core server CPU targeting AI data centers, with Meta and OpenAI signing on as launch customers.

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Apple Could Soon Be Buying iPhone and Mac Chips From Old

With the AI boom and huge demand for AI servers, TSMC has more limited capacity for chips made for consumer devices, and Apple has less leverage to convince TSMC to make its chips.

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Qualcomm announces AI chips to compete with AMD

Qualcomm announced that it will release new AI accelerator chips. Nvidia has dominated the market for AI chips, with AMD seen as the second

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Report claims Arm chips will power 90% of AI servers based on

Over the next several years proliferation of custom CPUs based on the Arm ISA inside AI servers will increase to 90%, leaving x86 and Arm around 10%, according to Counterpoint Research.

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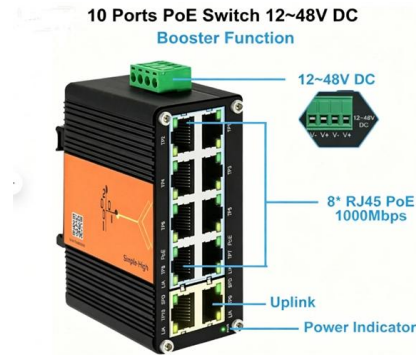
Arm Making Chips Transcends AGI and Agentic AI

Arm positions its decision to sell finished chips as a response to demand from agentic AI systems and the coming era of artificial general intelligence (AGI), answering the question "What's

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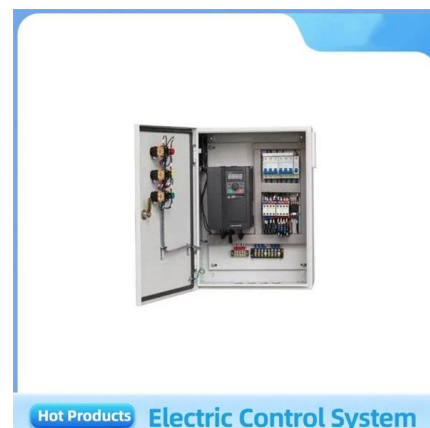
Arm AGI CPU - Arm®



SoftBank to acquire chip designer Ampere in \$6.5 billion

SoftBank Group said Wednesday that it will acquire Ampere Computing, a startup that designed an Arm-based server chip, for \$6.5 billion.

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Microsoft introduces its own chips for AI, with eye on cost

Microsoft on Wednesday announced a duo of custom-designed computing chips, joining other big tech firms that - faced with the high cost of

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The Arm AGI CPU is the first production silicon from Arm, designed for AI infrastructure at scale. We believe it delivers a new class of CPU with high performance and extreme rack-level density support

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Arm launches its own CPU, with Meta as first customer

CNBC got an exclusive first look at Arm's first ever in-house chip, the AGI CPU, purpose-built for running AI inference in data centers. Meta is the first official customer for the new

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ARM Takes Matters Into Its Own Hands, Unveiling the

ARM made a massive announcement at its ARM Everywhere keynote: according to a new blog post, the firm will sell its own chips.

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