AI server chip company

Overview

Top 25+ AI Chip Makers: NVIDIA & Its Competitors AI chips enable parallel computing capabilities are increasingly in demand. This article will information.

Key Takeaways

NVIDIA, AMD, Intel, Google, and specialized ASIC makers like Cerebras and Groq dominate the AI server chip market, powering both training and inference workloads.

Key A

I Chip Manufacturers1.

NVIDIA NVIDI

A is the market leader in AI server chips, primarily through its GPUs designed for AI training and inference. Its latest architectures—Ampere, Hopper, and Blackwell—support large-scale AI models, including LLMs with hundreds of billions of parameters.

NVIDIA GP

Us, such as the DGX A100 and H100, are widely deployed in data centers and cloud AI platforms, offering high performance and NVLink-C2C for fast CPU-GPU communication.

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NVIDI

A also provides DGX Cloud, enabling enterprises to access GPU infrastructure directly. 2.

AMD AM

D produces high-performance GPUs and CPUs for AI workloads, often competing with NVIDIA in data center deployments. AMD's GPUs are optimized for parallel processing and AI model training, and the company collaborates with server OEMs to integrate its chips into AI-optimized servers. 3.

Intel Intel offers a broad portfolio of AI chips, including Xeon CPUs, Habana AI accelerators, and Movidius processors for edge AI. Intel focuses on balancing performance and efficiency across data centers, cloud, and edge devices, providing software tools and frameworks to optimize AI workloads. 4.

Google Google develops its own AI ASICs, known as Tensor Processing Units (TPUs), which support both training and inference.

TP

Us are deployed in Google Cloud and internal AI infrastructure, offering high performance per watt for large-scale AI models. 5.

Specialized ASIC Makers

Cerebras: Produces wafer-scale AI processors optimized for massive AI model training. Groq: Focuses on inference-only AI chips with low latency.

AW

S Trainium and Inferentia: Amazon's custom ASICs for training and inference in AWS cloud environments.

Alibaba ACCE

L: Developed in collaboration with SMIC, targeting AI workloads in China.

AI Server OE

Ms Integrating These Chips

Leading AI server companies integrate these chips into high-performance servers: Supermicro: Offers modular AI servers with advanced liquid cooling and high-density rack solutions. Dell: Provides PowerEdge servers optimized for AI workloads, often in partnership with NVIDIA GPUs.

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Hewlett-

Packard Enterprise (HPE): Delivers AI-ready servers like ProLiant DL145 Gen11, supporting edge and data center AI applications.

IB

M and Lenovo: Provide hybrid cloud and AI infrastructure solutions integrating GPUs and accelerators.

Market Trends

Shift to Custom ASICs: Cloud providers increasingly invest in proprietary AI chips, with ASIC shipments projected to grow faster than GPUs in 2026. Edge A I Growth: Low-latency AI chips for edge devices are gaining importance, complementing data center GPUs. Integration with Software: AI server vendors now bundle orchestration, workload management, and cooling solutions alongside hardware to optimize performance. These companies collectively drive the AI server ecosystem, enabling enterprises and cloud providers to deploy large-scale AI models efficiently while addressing power, cooling, and workload optimization challenges.

Article Content

Top 25+ AI Chip Makers: NVIDIA & Its Competitors

AI chips enable parallel computing capabilities are increasingly in demand. This article will information to you on 10 popular AI chip makers.

10 top AI hardware and chip-making companies in 2026

AI hardware and chip-making companies constantly advance products to keep up with the competition. Here is a look at the 10 top companies in 2026.

AI Server Companies Driving AI Innovation in 2025

While semiconductor giants like NVIDIA and AMD develop the hardware that powers AI servers, specialized AI companies like TensorWave, Lambda Labs, and Cerebras Systems are

AI Server Companies

Dell Inc. (US), Hewlett Packard Enterprise Development LP (US), Lenovo (Hong Kong), Huawei Technologies Co., Ltd. (China), and IBM (US) are the major players in the AI server market.

Top 15 AI Infrastructure Companies to Know

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From chipmakers like Nvidia to cloud providers like AWS, AI infrastructure companies are the backbone of the AI economy. Discover the top 15 to know.

AI Data Center Value Chain: Every Layer from Chips to Cloud

The AI data center value chain encompasses the full ecosystem of companies that design, manufacture, assemble, and operate the computing infrastructure powering artificial intelligence

Memory Chip Shortage 2026: HBM Takes 23% of DRAM Wafers

According to IDC, Samsung, SK Hynix, and Micron – the three companies that control over 95% of global DRAM production – have systematically reallocated manufacturing capacity

Dell expects AI server revenue to double in fiscal 2027 on data center ...

The company raised server prices on December 10, while price changes for PCs occurred on January 6, Clarke said. Dell expects AI server revenue to grow 103% to about $50 billion

S$55 million GCB seized as Singapore files fresh charges in Nvidia chip ...

Singapore authorities have seized a Good Class Bungalow worth about S$55 million and around S$1 million in funds while bringing fresh fraud and money laundering charges in an

nvidia chips: Is Thailand-based OBON Corp really ''Company-1'', and ...

Is Thailand-based OBON Corp really ''Company-1'', and were Nvidia chips sent to Alibaba? A new report says the US suspects AI servers with Nvidia chips were routed through Southeast Asia

Meta rolls out in-house AI chips weeks after massive Nvidia, AMD deals

Meta''s latest generations of its MTIA series of in-house chips for artificial intelligence will help support the company''s massive data center expansion plans.

AI startup Etched raises $120 million to develop

Artificial-intelligence startup Etched said on Tuesday it has raised $120 million in a series-A funding round that the company plans to use to further

Amazon releases an impressive new AI chip and teases an Nvidia

AWS has been building its own AI chips — and systems — for years now. It just released its third version, known as Trainium3, with some impressive specs.

AI Inference Chips 2025: Rankings & Leaders

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See the latest 2025 leaderboard for AI inference chips—top architectures, perf-per-watt, memory, and pricing signals to guide your model deployments.

Nvidia''s CEO Projects $1 Trillion in AI Chip Sales as

Nvidia''s CEO Projects $1 Trillion in AI Chip Sales as New Computing Era Begins ''This is the AI future,'' Jensen Huang said at the company''s GTC

DRAM prices skyrocket 171% year-over-year, outpacing the rate of

DRAM prices are continuing to skyrocket thanks to exorbitant demands from the AI industry. CTEE reports that DRAM contract prices have increased by a whopping 171.8% year over

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 ...

Intel-Backed AI Chip Firm SambaNova to Quintuple Valuation to $10 ...

AI server chips that effectively compete with Nvidia''s have never been more in-demand as AI developers and cloud providers seek lower-cost alternatives to the market leader. In the latest

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