

Supercomputing and AI Servers



Overview

Dell, HPE, Lenovo, and Supermicro are riding record AI server demand, but winning enterprise customers requires more than just Nvidia chips. It's an integrated system of performance-optimized hardware, open software, ML frameworks, and flexible consumption models. The AI Hypercomputer system. SAN JOSE, Calif. – NVIDIA GTC 2026 - March 16, 2026 – HPE (NYSE: HPE) today announced significant innovations to the NVIDIA AI Computing by HPE portfolio focused on large-scale AI factories and supercomputers that enable customers to scale, deploy efficiently, and gain faster time-to-insight. The. From NVIDIA DGX Spark to NVIDIA BlueField-4 DPUs, next-generation networking and quantum leaps — accelerated systems showcased at SC25 highlight global supercomputing and AI advances. With GPUs standardized around Nvidia, vendors compete on AI Ops, liquid cooling, and deployment services as enterprises ramp up inference in 2026. Image:. Hewlett Packard Enterprise (HPE) has unveiled new supercomputing solutions designed to power intense workloads like AI language and multi-modal model training featuring innovative cooling features. Designed to help customers accelerate research and innovation efforts, HPE launched new. San Jose, Calif. (SMCI), a Total IT Solution Provider for AI/ML, HPC, Cloud, Storage, and 5G/Edge, will showcase its latest AI Factory, HPC, and liquid-cooled data center innovations at Supercomputing 2025.



Article Content

Nvidia GTC 2026: HPE Unveils Next-Generation AI Factory and ...

Nvidia GTC 2026: HPE Unveils Next-Generation AI Factory and Supercomputing Advancements with Nvidia New compute and networking offerings pair with full-stack software and

AI Hypercomputer overview | Google Cloud

AI Hypercomputer is a supercomputing system that is optimized to support your artificial intelligence (AI) and machine learning (ML) workloads. It's

Supermicro Showcases the Future of HPC Clusters and

Founded and operating in San Jose, California, Supermicro is committed to delivering first to market innovation for Enterprise, Cloud, AI, and 5G Telco/Edge

HPE leads industry with top-ranked supercomputers

HPE works alongside research institutions, government agencies and private enterprises to deliver highly-performant and energy-efficient

AI Server Market Update: Vendors Shift from Silicon to Services

AI Server Market Update: Vendors Shift from Silicon to Services Dell, HPE, Lenovo, and Supermicro are riding record AI server demand, but winning enterprise customers requires more

Hewlett Packard Enterprise stock (US42824C1099): AI spin-off and ...

Hewlett Packard Enterprise is reshaping its portfolio around hybrid cloud and AI infrastructure, while investors digest the latest quarterly results and the planned spin-off of the high ...

Top Five AI Server Companies for Data Centers and

To bring clarity to the market, ABI Research's AI Server OEMs Competitive Ranking assesses eight global AI server companies. We evaluated

Press release and editorial hub | HPE

From AI supercomputing to secure networking and hybrid cloud infrastructure, our enterprise-grade product portfolio powers some of the most

DGX Platform: Built for Enterprise AI | NVIDIA

Built from the ground up for enterprise AI, the NVIDIA DGX™ platform, featuring NVIDIA DGX SuperPOD™, combines the best of NVIDIA software,

HPE Announces Next-Generation AI Factory and Supercomputing ...

HPE brings NVIDIA AI solutions to its industry-leading supercomputing platform
Research laboratories, sovereign entities and large enterprises are rapidly adopting AI to enhance

HPE's new AI servers tap Nvidia, AMD, Intel GPUs for

Hewlett Packard Enterprise (HPE) has unveiled new supercomputing solutions designed to power intense workloads like AI language and multi-modal

Inside Microsoft's Global AI Infrastructure: The

Microsoft's Fairwater project in Wisconsin represents a bold new template for hyperscale AI infrastructure. Designed as a single, unified supercomputer and

HPE unveils next-generation AI factory and supercomputing

In addition to the enhancements of its industry-leading supercomputing platform 2, HPE is bolstering the HPE AI Factory portfolio for service providers, sovereign entities, and large

Accelerated Computing, Networking Drive Supercomputing in Age of AI

From NVIDIA DGX Spark to NVIDIA BlueField-4 DPUs, next-generation networking and quantum leaps — accelerated systems showcased at SC25 highlight global supercomputing and AI

Taiwan to launch AI supercomputing center in 2025 with

Taiwan's National Center for High-performance Computing (NCHC), under the National Applied Research Laboratories (NARLabs), plans to build an

Netweb Technologies – Latest Technology in HPC

Netweb Meta Description: Netweb has expertise in Storage, Servers & Workstations, High-Performance Computing, AI/ML, Deep Learning, Cloud,

AI Infrastructure | Google Cloud

Scale AI workloads with Google Cloud's cost-effective infrastructure. Explore flexible compute options like Cloud TPUs and GPUs.

AWS bets on liquid cooling for its AI servers | TechCrunch

The most important of these is that AWS will soon start using liquid cooling for its AI servers and other machines, regardless of whether those are

Nvidia is teaming up with Span to install mini AI data centers right on ...

Nvidia is teaming up with Span to install mini AI data centers right on the side of your house, turning residential neighborhoods into a distributed supercomputing network that actually pays ...

How server makers are surfing the AI wave

He said HPE plans to deliver hybrid cloud, supercomputing and AI capabilities to its enterprise customers to support AI-powered transformation. HPE positions the servers it has

High Performance Computing (HPC) | Microsoft Azure

Accelerate innovation with Azure high-performance computing (HPC)—scalable and secure cloud-native supercomputing for simulation, AI, and modeling.

Wall Street wants to trade supercomputing power like oil

The supercomputing industry is no longer just building machines. It is building an economy around computing itself. For years, HPC experts warned that AI would transform datacenter

Infrastructure for Scalable AI Reasoning | NVIDIA Vera

The NVIDIA Vera Rubin platform is built for the age of agentic AI and reasoning, engineered to master multi-step problem-solving and massive long-context

Server market explodes 61% as storage limps along: IDC

The Silicon & Supercomputing Channel Server market explodes 61% as storage limps along: IDC Dell dominates both markets, but only one side is

Q.ANT Releases New Photonic Processor for AI and HPC

Q.ANT has launched its second-generation photonic NPU, delivering lower energy use and higher performance for AI and HPC workloads using nonlinear optical processing.

RTX PRO Servers for Building Enterprise AI Factories

Accelerate AI, LLMs, and digital twins with RTX PRO Servers powered by NVIDIA Blackwell—high-performance, energy-efficient enterprise solutions.

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