

# **AI supercomputer server**





## Overview

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AI Hypercomputer is a supercomputing system that is optimized to support your artificial intelligence (AI) and machine learning (ML) workloads. NVIDIA Vera Rubin NVL72 unifies leading-edge technologies from NVIDIA—72 Rubin GPUs, 36 Vera CPUs, ConnectX®-9 SuperNIC™s, and BlueField®-4 DPUs. It scales up intelligence in a rack-scale platform with the NVIDIA NVLink™ 6 switch and scales out with NVIDIA Quantum-X800 InfiniBand and Spectrum-X™. Construction began in 2024 in Memphis, Tennessee; the system became operational in July 2024. Extreme AI Performance: Powered by NVIDIA® GB10 Grace Blackwell Superchip delivering 1 petaFLOP of AI. The World's Largest AI Supercomputer Powered by Supermicro Liquid-Cooled SuperCluster xAI's Colossus supercomputer cluster achieves massive scale using the NVIDIA Spectrum-X Ethernet networking platform to connect 100,000 NVIDIA Hopper Tensor Core GPUs.



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### **xAI Colossus**

Supermicro accelerates the industry's transition to liquid-cooled AI data centers to deliver a new paradigm of energy efficiency for the rapidly-heightened demand of

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### **Canada on track for a top 10 AI supercomputer, Solomon says**

Canada is on track to build an AI supercomputer so powerful it could crack the top 10 to 15 globally, says Evan Solomon. Find out more.

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## **Landmark Canada AI Supercomputer: \$890M Federal Initiative**

Canada AI Supercomputer gets \$890 million through the AI Sovereign Compute Infrastructure Program. Applications open until June 1, 2026.

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## **Tesla Dojo: The rise and fall of Elon Musk's AI**

Dojo was going to be Tesla's custom-built supercomputer. Here's what Elon Musk had in mind, what happened, and what's coming next.

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## **Super Micro Computer Just Launched a New AI Server.**

Supermicro stock inches higher as the company launches a new AI server. Attractive valuation and a strong backlog warrants owning SMCI shares in

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## **HPE unveils next-generation AI factory and supercomputing**

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

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## **SpaceX AI signs agreement with Anthropic for massive AI supercomputer**

SpaceX AI announced today that it had signed an agreement with Anthropic to give the company access to its Colossus 1 data center in Memphis, Tennessee.

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## **ASUS Ascent GX10 AI Supercomputer/NVIDIA GB10**



The ASUS Ascent GX10, accelerated by the NVIDIA GB10 Grace Blackwell Superchip and the NVIDIA AI software stack, provides a full-stack solution for AI

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## **Super Micro Computer (SMCI) Valuation After Guidance Cut, AI Server**

Super Micro Computer (SMCI) has been on many watchlists after it cut Q1 FY2026 revenue guidance due to delayed AI deliveries, yet reiterated an aggressive full-year growth outlook

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## **Supermicro Expands AI Lineup: New Liquid-Cooled Servers**

Super Micro Computer (SMCI) stock climbs 3% after expanding its AI server lineup with new liquid-cooled systems. See why analysts project revenue to soar to \$12.44 billion in tomorrow's

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## **Colossus (supercomputer)**

Both Dell Technologies and Supermicro partnered with xAI to build the supercomputer. It was originally powered by 100,000 Nvidia graphics processing

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## **Super Micro Computer Stock Surges 7% as AI Server Demand Fuels**

Super Micro Computer Inc. shares jumped more than 7% in morning trading Friday, climbing to \$24.93 as investors appeared to look past recent governance and legal concerns and

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## **ASUS Announces Availability of ASUS Ascent GX10**



ASUS today announced that the new Ascent GX10 will be available on October 15, 2025. This compact and powerful desktop AI supercomputer is

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## **Colossus: The World's Largest AI Supercomputer , xAI**

We're running the world's biggest supercomputer, Colossus. Built in 122 days--outpacing every estimate--it was the most powerful AI training system yet.

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## **ASUS Ascent GX10|Desktop AI**

Its compact design facilitates seamless integration and deployment, enabling powerful AI performance for innovators who demand excellence. With advanced

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## **NVIDIA DGX Spark: The developer's personal AI**

Canonical has supported Arm processors since 2011, establishing Ubuntu as a scalable platform for AI on both servers and devices. This long

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## **Project Ceiba - Largest AI Super Computer Co-Built**

Project Ceiba, a groundbreaking collaboration between AWS and NVIDIA, aims to push the boundaries of artificial intelligence (AI) by constructing one of world's

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## **Elon Musk Gets Just-Launched NVIDIA DGX**

The revolution begins at Starbase. NVIDIA CEO Jensen Huang kicks off the rollout of DGX Spark, the world's smallest AI supercomputer, with

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## **Inside the NVIDIA Vera Rubin Platform: Six New Chips,**

ASTRA provides AI infrastructure builders with a single, trusted control point to securely provision, isolate, and operate large-scale AI environments

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## **UK unveils £45m Sunrise AI supercomputer to accelerate fusion**

UK launches Sunrise, a £45m AI supercomputer designed to accelerate fusion energy research. Find out more.

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## **Asus' mini supercomputer taps Nvidia Grace Blackwell**



Desktops Mini PCs Asus' mini supercomputer taps Nvidia Grace Blackwell chip for 1,000 AI TOPS News By Zhiye Liu published March 18, 2025

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## **ASUS Presents Comprehensive AI Server Lineup**

In partnership with NVIDIA®, Intel® and AMD®, ASUS offer comprehensive AI-infrastructure solutions with robust software platforms and services, from entry-level AI servers and

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## **Super Micro's Q4 Results Miss Estimates, Shares Plunge Amid AI Server**

Super Micro's Q4 Performance Falls Short Super Micro Computer, a prominent player in the server industry, reported disappointing fourth-quarter results for the fiscal year 2025, causing its

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## **AI Hypercomputer overview , Google Cloud Documentation**

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

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## **UK's \$300M Isambard-AI supercomputer officially launches**

Isambard-AI, the fastest supercomputer in the U.K., was officially inaugurated this week, with the £225 million (\$300 million) system set to power

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