

Accelerate Everything

NVIDIA-GPU Platform Leadership



Supermicro Differentiators





Competency	Supermicro	Competition
Internal Hardware Design	YES	LIMITED
Broad and Optimized Portfolio	YES	LIMITED
First to Market / TTM	YES	NO
H/W Technology Leadership	YES	LIMITED
Total Solutions Hardware + Software	YES	YES
US Design and Manufacturing (Proximity to Key Technology Partners)	YES	NO
Flexible Engagement Models	YES	LIMITED
Deep Partner Relationships	YES	YES
Global Operation and Service	YES	YES

The Industry's Broadest Portfolio of Servers





Universal GPU Multi-Architecture Flexibility with Future-Proof Open-Standards



PCIe GPU High Performance and Flexibility for Al, and 3D Simulation



SuperBlade[®] Highest Density Multi-Node Architecture for HPC Applications



Hyper Best-in-class Performance and Flexibility Rackmount Server



BigTwin® Industry-leading Multi-node Architecture



GrandTwin[®] Multi-Node Architecture Optimized for Single-Processor Performance



FatTwin® Multi-node 4U Advanced Twin Architecture with 8 or 4 Nodes



CloudDC All-in-one Rackmount Platform for Cloud Data Centers



WIO Industry's Widest Variety of I/O Optimized Servers



Petascale All-Flash High Performance, Low Latency with EDSFF E3.S and E1.S



Enterprise Storage Cost Effective, High Capacity for Large-Scale Storage



Multi-Processor Highest Performance and Flexibility for Enterprise



Mainstream Cost Effective Systems for Everyday Applications



Hyper-E Best-in-class Performance and Flexibility for Edge Data Centers



SuperEdge High-Density Computing and Flexibility at the Intelligent Edge



IoT/5G Compact Form Factors for 5G and Edge computing



SuperWorkstation Data Center Power in Portable Form Factors



MGX Modular Building Block Platform with wide CPU and GPU support

Family Overview

Supermicro GPU Systems

PCIe Systems



HGX Systems





MGX Systems



- Maximum acceleration with interconnected 8-GPU and 4-GPU per system for large AI models with pool of High-bandwidth GPU memory.
- Proven system architecture. Validated in real-world AI deployments.
- Versatile acceleration platforms with up to 10 PCIe GPUs for AI inference, fine-tuning, Graphical AI applications.
- H100 PCIe for maximum AI performance, L40S for cost effective AI + graphics workloads.
- Grace Hopper Superchip systems with large shared memory for large AI model or high-volume inference.
- Modular PCIe GPU platform supporting ARM and x86 CPUs.
- Compact form factors for high computing density and scalability.

Combining Traditional HPC and Generative AI in Capital Markets



Grace-Hopper Superchip



One Stop Platform for HPC + AI Accelerating Capital Markets

AI (Neural nets) - LLM/GenAI	Quant Finance / HPC	Data Processing - ETL/ML
 AI Unstructured Data using NLP with LLMs, Other Systematic Trading Algos Framework - PyTorch/TensorFlow, <u>NVIDIA NIM</u> e.g. RAG based retrieval, NVIDIA AI Enterprise 	 Pricing, Risk (MC Sim, Margin, FRTB, CVA, SIMM, XVA) & Back testing Framework - CUDA C/C++, Parallel Algorithms C++, NVIDIA Accelerated Python - RAPIDS, Open ACC 	 Feature Engineering, Data Prep, & Data Science (e.g., XGBOOST) Framework - NVIDIA Accelerated Python on Steroids - RAPIDS, Spark on GPU



NVIDIA Grace Hopper

GH100 CPU + GPU for

LLMs and inference

7X Faster data transfers and queries than PCIe Gen 5



TCO, ROI and Productivity in Customer cases

Resources and NVIDIA GTC Customer stories



Liquid-Cooled Rack: Sample Configurations





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