RACK-SCALE SOLUTION

AMAX ENGINEERING

Our team of thermal, electrical, mechanical, and networking engineers are skilled in designing solutions designed to your specific requirements.

AceleMax® POD with NVIDIA HGX™ H200

The AceleMax® POD, powered by NVIDIA HGX™ H200, is optimized for enterprise AI and HPC workloads. Our rack-scale solution utilizes the NVIDIA H200 Tensor Core GPU increasing memory capacity to 141GB per GPU, nearly double that of the NVIDIA H100.

KEY FEATURES

- Up to 4,512 gigabytes of HBM3e GPU Memory per rack
- 5th Gen Intel® Xeon® Scalable processors, supporting 350W TDP
- Direct GPU-to-GPU interconnect via NVLink delivers 900GB/s bandwidth
- Dedicated one-GPU-to-one-NIC topology
- Modular design with reduced cable usage

NEXT GENERATION AI

Our integrated multi-node rack solution provides scalability and a large, shared-memory across all GPUs. Designed to power a new class of supercomputing deployments for LLMs and Gen AI.

AMAX // DATASHEET

SPECIFICATIONS

NVIDIA HGX™ H200 Server	
Processor	Dual 5th Gen Intel Xeon or AMD EPYC 9004 Series CPU
Memory	2TB DDR5
GPU	NVIDIA HGX H200 (1128 GB HBM3e Total GPU Memory), 900GB/s NVLINK GPU to GPU Interconnect w/ NVSWITCH
Networking	8x NVIDIA ConnectX®-7 Single-port 400Gbps/NDR OSFP NICs 2x NVIDIA ConnectX®-7 Dual-port 200Gbps/NDR200 QSFP112 NICs 1:1 networking to each GPU to enable NVIDIA GPUDirect RDMA and Storage
Storage	Configurable, up to 10x NVMe U.3 SSD and and Optional M.2 Support
Onboard Networking	Dual 10GBase-T RJ45 LAN, 1x Management LAN
Power Supply	6× 3000W Titanium Redundant Power Supplies

AceleMax® POD with NVIDIA HGX™ H200	
Networking	4x NVIDIA Mellanox QM9700 switches - 2 Storage Network Switches - 2 Compute Network Switches
Storage and Data Management	Partner Storage Appliance
Compute Nodes	4x NVIDIA HGX H200 8-GPU Sytems per rack
Compute Fabric	NVIDIA Quantum QM9700 NDR400 Gbps InfiniBand
Software	NVIDIA NGC NVIDIA AI Enterprise

DISCOVER AMAX POD SOLUTIONS AND TRANSFORM YOUR DATA CENTER TODAY

From Design to Deployment

AMAX's approach to AI solutions begins with intelligent design, emphasizing the creation of high-performance computing and network infrastructures designed for AI applications. We guide each project from concept to deployment, ensuring systems are optimized for both efficiency and future scalability.

Our deployment strategy is crafted to prioritize customer flexibility. With our advanced remote testing capabilities, your team can evaluate our infrastructure solutions directly from your workspace. After initial implementation, AMAX provides continuous support and fine-tuning to keep our AI infrastructure solutions in line with your evolving business requirements.