AMAX GPU Solutions for Healthcare

Secure, Compliant Infrastructure for AI-Driven Clinical and Research Workloads

AMAX ENGINEERING

AMAX delivers GPU solutions designed for healthcare, combining advanced system architecture with supply chain logistics, validation, and deployment services. Our engineering expertise ensures reliable, compliant infrastructure that supports multimodal AI workloads while helping providers scale efficiently and maintain predictable performance.

Transforming Healthcare with AI Infrastructure

AMAX solutions empower healthcare providers and research organizations to accelerate AI adoption in clinical, operational, and research environments. Dense GPU capacity supports multimodal LLMs and imaging AI, while efficient cooling and modular designs enable sustainable scaling. Our systems are engineered to meet the demands of regulated healthcare environments, balancing performance, compliance, and patient privacy.

Key Features for AMAX AI Solutions for Healthcare

Modular Server Platform:
Easy customization to match diverse healthcare workloads

Designed for Healthcare Use Cases:
Support for genomics, imaging, clinical LLMs, and more

AI Software Stack:
NVIDIA Clara™, MONAI, and NVIDIA Triton Inference Server™ to build and deploy AI models

Privacy and Compliance:
Built to meet **HIPAA** and **GDPR** requirements with **ISO 27001 certification**

EMEA
Shannon, Ireland

AMER
Fremont, USA

APAC
Suzhou, China

Taoyuan City,
Taiwan

AMAX // SOLUTION BRIEF

AMAX AceleMax® AXG-428AG

4U AMD EPYC™-based MGX server built for maximum flexibility and throughput in AI workloads.

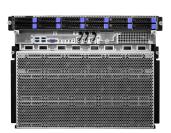| AMAX AceleMax® AXG-428AG	
CPU	Dual Socket AMD EPYC™ 9005 Series processors (up to 5GHz)
GPU	Up to 8× double-width GPUs (up to 600W each) or 16× single-width GPUs
Cooling	High-efficiency air cooling
System Memory	32 DDR5 DIMM slots, up to 5200 MT/s (1DPC)
Networking	5× PCIe 5.0 ×16 slots for NICs
Storage	8× E1.S NVMe SSD bays, plus 2× M.2

AMAX AceleMax® AXG-224IB

2U dual-socket GPU server designed for versatile AI training, inference, and cloud applications.

AMAX AceleMax® AXG-224IB	
CPU	Dual Socket Intel® Xeon® 6 processors (6700/6500 series)
GPU	Up to 4× NVIDIA RTX PRO™ 6000 Blackwell Server Edition, L40S, or H200 NVL GPUs
Cooling	High-efficiency air cooling
System Memory	32 DDR5 DIMM slots, up to 6400 MT/s
Networking	3× PCIe Gen5 ×16 NIC slots
Storage	8× PCIe Gen5 E1.S NVMe SSD bays, plus 2× M.2

AMAX AceleMax® AXG-828U with HGX B300

8U rackmount server with high GPU density for large-scale AI training and inference.

AMAX AceleMax® AXG-828U with HGX B300	
CPU	Dual Socket Intel® Xeon® 6700E/6700P series processors
GPU	NVIDIA HGX™ B300 8-GPU with NVSwitch
Cooling	High-efficiency air cooling
System Memory	Up to 32 DDR5 DIMM slots, up to 6400 MT/s
Networking	8× OSFP 800 Gbps InfiniBand ports
Storage	Up to 12× 2.5" hot-swap bays, plus 1× M.2

End-to-End Deployment Services

AMAX delivers both liquid-cooled and air-cooled rack-scale solutions engineered, assembled, and validated before shipment. Each rack undergoes a site survey, full burn-in, performance benchmarking, and environmental testing to ensure readiness for regulated healthcare AI workloads. Remote monitoring and ongoing support options help maintain peak performance and uptime. For customers awaiting permanent data center space, HostMax™ provides temporary hosting so systems can go live immediately after build.

Visit www.amax.com/contact to get started today

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