AMAX NVIDIA-CERTIFIED SYSTEMS
Enabling the Enterprise Accelerated Data Center

Features

GPU
- NVIDIA HGX™ A100 8-GPU and 4-GPU
- NVIDIA A100 Tensor Core GPU for PCIe
- NVIDIA A40 GPU
- NVIDIA A30 Tensor Core GPU
- NVIDIA A10 Tensor Core GPU
- NVIDIA RTX™ A6000 GPU

Networking
- NVIDIA® ConnectX®-6
- NVIDIA ConnectX-6 Dx
- NVIDIA BlueField®-2

NVIDIA-Certified Systems for all Workloads

AI Training & Inference

Data Analytics & Machine Learning

Professional Visualization
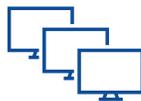
Virtual Infrastructure

High Performance Computing

Accelerated workloads abound across all industries, from the use of artificial intelligence for better customer engagement, to data analytics for business forecasting, to advanced visualization for quicker product innovation. With the drive towards remote and flexible workplaces, the need for virtual desktops to be as powerful as physical desktops is also growing. And scientific researchers are innovating ways to solve problems that go well beyond traditional CPU-only computing. Enterprises are looking for an easy way to deploy modern, scalable computing infrastructure to run their GPU-accelerated applications, whether in the data center or at the edge.

AMAX's AceleMax™ series of NVIDIA-Certified Systems™ brings together NVIDIA GPUs and NVIDIA networking in optimized server configurations. These servers are validated for performance, manageability, security, and scalability and are backed by enterprise-grade support from NVIDIA and partners. With an NVIDIA-Certified System, enterprises can confidently choose performance-optimized hardware solutions to power their accelerated computing workloads—both in smaller configurations and at scale.

The NVIDIA-Certified Systems program encompasses a wide range of enterprise GPUs as well as the latest networking smart network interface cards (SmartNICs) and data processing units (DPUs) from NVIDIA. The certification test suite is designed to exercise the performance and functionality of the configured server by running a set of software that represents a wide range of real-world applications. This includes deep learning (DL) training, AI inference, data science algorithms, intelligent video analytics (IVA), high-performance computing (HPC) and CUDA® functions and rendering. It also covers infrastructure performance acceleration, such as network and storage offload, security features, and remote management capabilities.

Adoption Across Industries

CONSUMER INTERNET
- Ad personalization
- Click-through-rate optimization
- Churn reduction

MANUFACTURING
- Remaining useful life estimation
- Failure prediction
- Demand forecasting
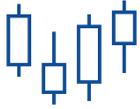
FINANCIAL SERVICES
- Claim fraud
- Customer service chatbots and routing
- Risk evaluation

TELECOMMUNICATIONS
- Network and security anomaly detection
- Network performance forecasting
- Network resource optimization

HEALTHCARE
- Clinical care
- Operational efficiency
- Accelerated drug delivery

AUTOMOTIVE
- Intelligent customer interactions
- Connected vehicle maintenance
- Demand and capacity forecasting

SUPPLY CHAIN AND INVENTORY MANAGEMENT
- Price management and markdown optimization
- Promo prioritization and ad targeting

AMAX AceleMax™ NVIDIA-Certified Systems Summary

AMAX Model No.	CPU Brand	CPU Family	CPU Qty	Supported NVIDIA GPUs 1	GPU Qty
AceleMax™ DGS-214A	AMD	EPYC 7003	1	NVIDIA A100 for PCIe, NVIDIA A30, NVIDIA A40, NVIDIA RTX A6000	4
AceleMax™ DGS-224AS	AMD	EPYC 7003	2	NVIDIA HGX A100 - 4 GPU	4
AceleMax™ DGS-428AS	AMD	EPYC 7003	2	NVIDIA HGX A100 - 8 GPU	8
AceleMax™ DGS-428A	AMD	EPYC 7003	2	NVIDIA A100 for PCIe, NVIDIA A30, NVIDIA A40	8
AceleMax™ DGS-140W	Intel	3rd Gen Xeon	2	NVIDIA A100 for PCIe, NVIDIA A40, NVIDIA A30	8
AceleMax™ DGS-260W	Intel	3rd Gen Xeon	2	NVIDIA A100 for PCIe, NVIDIA A40, NVIDIA A30, NVIDIA A10	4
AceleMax™ DGS-428WS	Intel	3rd Gen Xeon	2	NVIDIA HGX A100 - 8 GPU	8
AceleMax™ DGS-410W	Intel	3rd Gen Xeon	2	NVIDIA A100 for PCIe, NVIDIA A40, NVIDIA A30, NVIDIA A10, NVIDIA T4	10
AceleMax™ DL-E440W	Intel	3rd Gen Xeon	2	NVIDIA A100 for PCIe, NVIDIA A40, NVIDIA A30, NVIDIA A10, NVIDIA T4, NVIDIA RTX A6000	4

NVIDIA-Certified Systems provide these key benefits tailored for enterprise IT

AMAX's AceleMax™ series of NVIDIA-Certified Systems simplify the configuration and deployment of AI-first infrastructure by providing the following key capabilities:

- **A Unified AI Platform**—Simplifies system deployment and reduces time to solution by ensuring that GPU-optimized software from the NGC™ catalog works out of the box.

- **Performance**—NVIDIA-Certified Systems are configured to deliver excellent performance for a diverse range of workloads. Customers can run most accelerated applications on these systems and be confident that they will perform well.

- **Manageability**—NVIDIA-Certified System configurations ensure that GPU-enabled servers work well out of the box, streamlining the procurement experience and reducing time to deployment. The validation of features such as remote management further simplifies the experience of IT administrators.

- **Scalability**—NVIDIA-Certified Systems are tested on single-node and multi-node configurations to validate cluster-level features and performance. They enable IT to scale out accelerated infrastructure to meet future workload demands.

- **Security**—NVIDIA-Certified Systems secure workflows by protecting data at the platform, network, and application layers. Whether deployed in a data center or at the edge, customers can be assured that they do not have to compromise on security features when running accelerated applications.

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