# AMAX GPU Solutions for Aerospace and Defense

## Mission-Ready AI and HPC Infrastructure for Secure Operations

## AMAX ENGINEERING

AMAX delivers mission-ready AI and HPC infrastructure for defense, intelligence, and public sector organizations. Our expertise spans design, integration, and lifecycle management, combining engineering precision with trusted manufacturing and validation processes to ensure secure and reliable deployments worldwide.



AMAX ServMax® 1U

## Powering Secure Edge to Core Operations

National defense organizations rely on secure, high-performance computing to drive research, AI, and mission-critical operations. From national laboratories to tactical field environments, they require systems that deliver scalability, efficiency, and trusted supply chains.
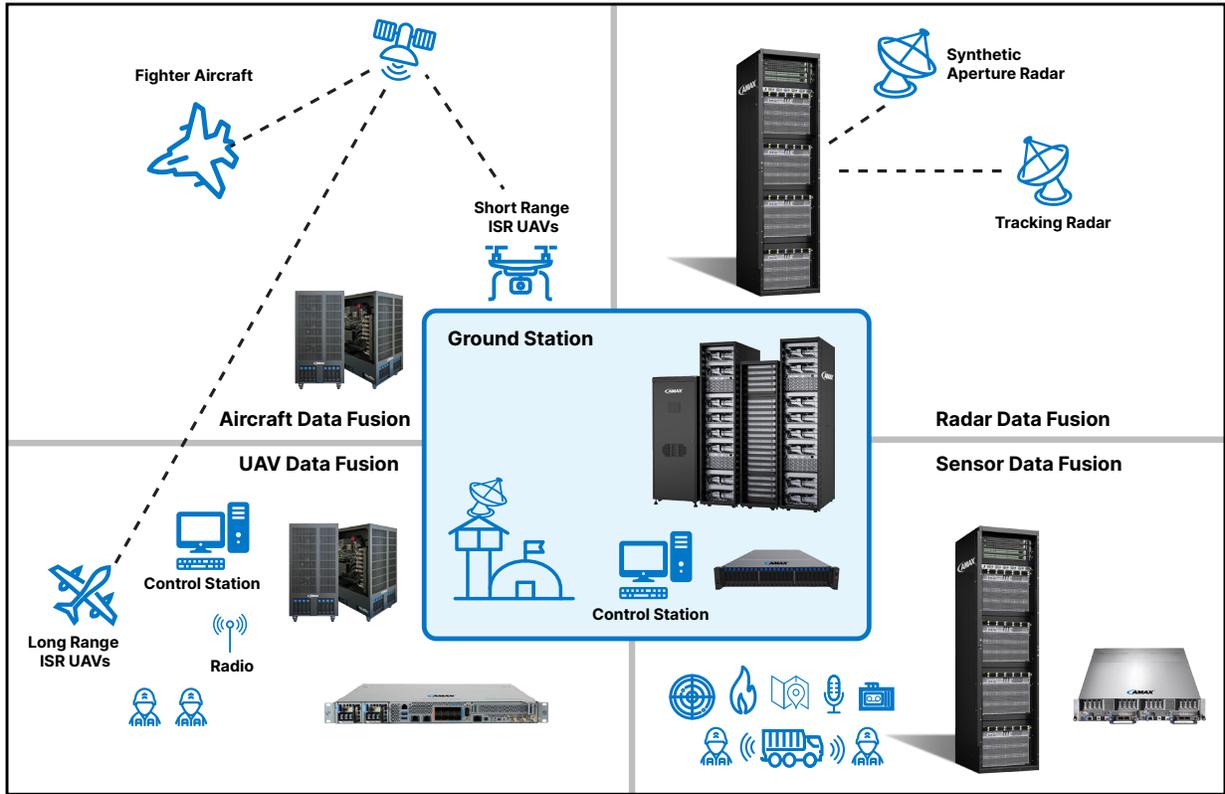
## Key Features for Aerospace and Defense

- **Security & Compliance:** ISO 9001, ISO 27001, and ISO 14001 certified, with controlled supply chains, full traceability, and DFARS-aligned practices.
- **Edge to Core Scalability:** Unified architecture supporting AI and HPC workloads across field operations, research centers, and national labs.
- **Data Sovereignty:** Infrastructure designed to keep sensitive and classified data within secure environments, minimizing cloud dependency.
- **Liquid-Cooled Efficiency:** Advanced liquid and direct-to-chip cooling maintains performance density while reducing energy consumption and acoustic footprint.

## Tactical and Field-Ready Compute

AMAX ServMax® 1U and compact desktop systems deliver low-latency AI inference and sensor data processing at the edge. These platforms enable intelligence, surveillance, and response operations in distributed environments, supporting real-time decision-making without depending on external connectivity.

AMAX // SOLUTION BRIEF

# Engineered for Every Mission Environment

AMAX designs, builds, and deploys solutions to match each mission's unique operational needs. From compact 1U servers deployed at the edge to liquid-cooled clusters running advanced simulations in secure data centers. Every configuration is validated for performance, thermal efficiency, and environmental stability, ensuring reliable operation in research facilities, command centers, and remote field locations.

# Liquid-Cooled AI and HPC Clusters

AMAX LiquidMax® rack-scale solutions deliver dense GPU compute with advanced liquid cooling for efficient operation. Supporting up to 64x GPUs across eight 4U liquid-cooled servers. Designed for national laboratories, defense research, and secure command centers, these systems provide scalable capacity for training, simulation, and analytics while maintaining operational security.



AMAX LiquidMax® RackScale 64

# Compact Research and Training Platforms

AMAX AI workstations bring enterprise-level GPU performance to local environments, enabling AI development, modeling, and visualization within secure facilities. Available in both air- and liquid-cooled configurations, with support for the latest GPUs. Designed to accelerate algorithm research, mission planning, and local prototyping in classified or restricted-access labs.



AMAX LiquidMax® Workstation

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