

# Deterministic AI for Mission-Critical Edge

## MOSA.ic.AI

LYNX MOSA.ic.AI is a unified software platform that enables deterministic, certifiable deployment of AI and advanced workloads in mission-critical edge systems. Optimized for 11th Gen Intel® Core™ processor-based systems and accelerated with Intel® Extension for PyTorch\*, the platform helps deliver predictable AI performance, low-latency inferencing, and efficient resource utilization at the edge.

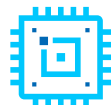
By combining workload orchestration, lifecycle governance, and controlled execution environments, MOSA.ic.AI enables validated AI models to operate reliably within safety-critical and regulated environments without compromising certification or system integrity. As aerospace, defense, and other regulated industries adopt autonomy and advanced analytics, MOSA.ic.AI provides the trusted deployment foundation required to operationalize AI workloads at the edge with control, performance, and long-term sustainment.



## Key Intel-Enabled Features



HW  
Virtualization



Unified  
CPU/GPU/  
NPU



Mixed-  
Criticality



Safety  
Graphics

- [Intel® Core™ processors](#) integrate compute, graphics, and AI acceleration for mission AI workloads at the edge.
- [Intel® Virtualization Technology \(Intel® VT-x\)](#) enables hardware-enforced virtualization for secure partitioning and mixed-criticality workloads.
- [Intel® Extension for PyTorch\\*](#) helps accelerate low-latency AI inferencing and efficient resource utilization.
- Federal and Aerospace AI Suite provides validated infrastructure blueprints and reference hardware for deterministic mission AI deployments.

**By leveraging Intel® technologies, MOSA.ic.AI by LYNX enables deterministic, observable, mixed-criticality AI systems with support for incrementally certifiable updates.**

### Notices & Disclaimers:

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*MOSA.ic.AI by LYNX operationalizes AI in mission-critical edge systems **without compromising certification or system integrity.***

### Ordering Guidance:

- [Contact Us](#)

**Country/Geo:** Worldwide

**Edge Verticals:** Robotics; Federal & Aerospace

**Edge Use Cases:** Automated Guided Vehicle (AGV); Robotics Vision Control

### Learn more:

- [Lynx Website](#)