Bringing Intelligence to the Edge of Manufacturing

Premisys AI Agentic Platform

PREMISYS x ASRock Industrial x intel

Premisys provides a full-stack agentic AI platform for manufacturers, supporting preventive maintenance, quality assurance and other critical use cases. The platform unlocks the power of AI to improve operational efficiencies while enabling successful and timely deployments across industrial environments. Premisys uses domain-specific SLMs and statistical industrial analytics to deliver accurate, explainable manufacturing insights beyond generic LLM copilots.

It is optimized for edge deployment—ensuring data security and privacy, low-latency performance, predictable costs, and full operational control. The Premisys AI Agentic Platform has been onboarded to the ASRock Industrial iEPF-10000S Series, a powerful Edge AIoT platform designed to tackle the most demanding industrial workloads.

From large-scale AI model training and inference to vision processing and smart automation, it delivers exceptional compute capability, accelerated AI performance, and real-time data analysis essential to Premisys deployments.

Integrating OT and IT data to automate operational decisions across quality, uptime, and production.

Intel Products & Technologies

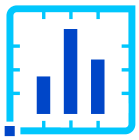
Accelerating AI and analytics at the edge

- Intel® Core™ Ultra Series 3 Processors
- Intel® Xeon® Scalable Processors
- Intel® Iris® Xe Graphics
- Intel® Arc™ B-Series Graphics
- OpenVINO™ Toolkit

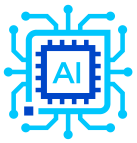
Key Intel-Enabled Features

Real-Time AI and analytics make it easy

Fine-Tuned SLM



AI/ML Analytics



Edge AI Solutions

Unified Data

Powered by Intel Processors and optimized with the OpenVINO™ toolkit, Premisys and ASRock Industrial deliver:

01

Intel® AI Edge systems enable edge intelligence

02

OpenVINO™ toolkit enables domain-specific SLMs

03

Open Edge Platform frameworks scale edge solutions

04

Manufacturing AI Suite apps support key use cases

That's the power of Intel Inside.

Country/Geo:

United States
Canada
India

Verticals:

Manufacturing

Use Cases:

Operational Efficiency
Predictive Maintenance
Process Optimization
Operational Diagnostics

About Premisys

Premisys is a leading AI Agentic Platform provider bringing practical, production-ready AI to manufacturing. The company builds an edge-native agentic AI platform that transforms plant data into real-time insights, decisions, and automated workflows—helping manufacturers improve quality, uptime, and efficiency with secure, on-prem deployment.

https://premisys.ai/

PremiSys AI Agentic Platform - Edge AI Partner Spotlight

intel ai
Intel® AI Edge Applications

About ASRock Industrial

Founded in 2018, ASRock Industrial focuses on industrial motherboards, edge computers, and AIoT solutions for B2B markets worldwide. A global leader in Industrial PC motherboards, it emphasizes R&D, customization, and partnerships to deliver high-performance, flexible solutions across CARES industries and aims to lead in AIoT innovation.

www.asrockind.com/en-gb

ASRock iEP(F)-10000S Series - Edge AI Partner Spotlight

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Intel® AI Edge Systems

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