

Compact MXM GPU Edge AI System



Advantech AIR-310

ADVANTECH × intel ai

Compact AI Inference System with Intel® Core™ Processors and MXM GPU Support

The AIR-310 is a compact, ultra-low-profile edge AI system engineered for high-performance inference in vision AI, GenAI, and medical imaging. Powered by 12/13/14th Gen Intel® Core™ processors and supporting MXM GPU modules, it delivers up to 12.99 TFLOPS of scalable AI compute. With DDR5 memory, dual 2.5GbE LAN and one GbE LAN, dual CANBus, and 16-bit DIO, it ensures fast data throughput and seamless sensor integration. The system supports OpenVINO™ toolkit and Advantech's Edge AI SDK, enabling rapid deployment of AI models across Windows and Linux platforms. Designed for rugged environments, AIR-310 operates reliably in industrial settings, bringing real-time intelligence to edge applications in healthcare, automation, and smart surveillance.

***Delivers
real-time AI
at the edge
with high
computer, rich
I/O, and rugged
industrial design***

Intel Products and Technologies

Accelerating AI and Analytics at the Edge



Intel® Core™
Processors



Intel® Arc™
Graphics



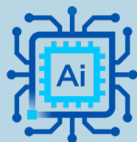
OpenVINO™
Toolkit



Intel® oneAPI
Toolkit

Key Features

Empowered by Intel.



High AI
Performance



Compact
Form Factor



Wide I/O
Support



Rugged Design
Ready

Advantech AIR-310



Product Specifications

CPU	12/13/14th Gen Intel® Core™ processors
Graphics	MXM GPU, Intel® UHD Graphics 770 (depends on CPU model)
Memory	DDR5 up to 64GB
Storage	1x SATA, 1x NVMe
Wireless Network	M.2 for Wi-Fi
LAN	2 x 2.5GbE, 1 x GbE
Operating/Storage Temp.	0~50°C / -40 ~ 85°C
Dimension (W x D x H)	215mm x 225mm x 55 mm
Weight	2.5 kg
OS	Windows 10/11 IoT, Linux

Learn More

[Advantech AIR-310](#)

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