

High-Performance Fanless Edge AI Box PC for Industrial Applications



ARK-2252

Fanless Industrial Edge PC Powered by Intel® Core™ Ultra Series 3 Processors

The ARK-2252 is a high-performance fanless embedded box PC designed to meet the requirements of next-generation industrial edge computing and AI applications. Powered by Intel® Core™ Ultra Series 3 processors, it delivers strong CPU, GPU, and AI acceleration capability while maintaining silent and reliable fanless operation. The system supports up to 128 GB of DDR5 memory and PCIe Gen5 NVMe storage to handle data-intensive workloads with ease.

To support diverse industrial connectivity needs, the ARK-2252 integrates up to four 2.5GbE LAN ports, six serial ports, dual CANBus, programmable digital I/O, and triple 4K display outputs. Its modular design supports M.2 expansion and Advantech iDoor modules for wireless, vision, PoE, and I/O expansion. With wide-range 12–24 VDC power input and extended operating temperature support, the ARK-2252 is well-suited for automation, machine vision, and intelligent edge applications.



***ARK-2252 offers
strong AI, fanless
reliability, rich
I/O, and modular
expansion,
powered by
Intel® Core™ Ultra
Series 3***

Intel Products and Technologies

Accelerating AI and Analytics at the Edge



Intel® Core™
Ultra Processors

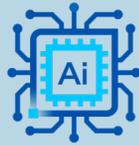


OpenVINO™
Toolkit

Intel® Deep
Learning Boost
(Intel® DL Boost)

Key Features

Empowered by Intel.



180 TOPS
AI Power



Fanless Wide-
Temp Design



Rich Industrial
I/O



Flexible
Modular
Expansion

Advantech ARK-2252

intel ai

Intel® AI Edge Systems



Product Specifications

CPU	Intel® Core™ Ultra Series 3 processor
Graphics	Intel® X ^e 3 LPG (4X ^e Cores)
Memory	DDR5-6400/7200 CSODIMM support up to 128GB
Storage	1x M.2 2280 M key (PCIe Gen5 x4)
Wireless Network	
LAN	LAN1 10/100/1000/2500 Mbps Intel i226-LM GbE, support Wake On LAN LAN2 10/100/1000/2500 Mbps Intel i226-LM GbE, support Wake On LAN LAN3 10/100/1000/2500 Mbps Intel i226-LM GbE, support Wake On LAN, support PoE module LAN4 10/100/1000/2500 Mbps Intel i226-LM GbE, support Wake On LAN, support PoE module
Operating / Storage Temp.	-20 ~ 60° C with 0.7m/s air flow/ -40 ~ 85 °C
Dimension (W x D x H)	260mm x 145mm x 60mm
Weight	
OS	Windows 11 (LTSC) / Ubuntu 24.04

Learn More

[Advantech ARK-2252](#)

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