

Reinforced AI BOX Powered by Intel® Core™ Ultra Processors for Versatile Use



Realbom RA-AI5000



锐宝智联
REALBOM

intel ai

Edge AI BOX Designed for Medical Imaging and Retail AI Analytics Applications

The RA-AI5000 from Realbom is a rugged, edge AI solution engineered for demanding applications in medical imaging and intelligent retail. Powered by an Intel® Core™ Ultra processor, it delivers up to 99 TOPS of computing performance, enabling real-time AI inference and advanced analytics at the edge. Its dual DDR5 SO-DIMM slots support up to 128 GB of memory, meeting the high data throughput requirements of ultrasound systems and other compute-intensive tasks. Designed for versatility, the RA-AI5000 offers a comprehensive I/O suite, including 4 USB ports, 2 COM ports, 2 LAN connections, and 4 display outputs, ensuring seamless integration with diverse peripherals and multi-screen environments. Built for reliability and scalability, this platform empowers healthcare providers and retailers to deploy AI-driven solutions that enhance diagnostics, streamline operations, and deliver smarter, more connected experiences.

Edge AI power for medical imaging and retail analytics with unmatched speed and scalability

Intel Products and Technologies

Accelerating AI and Analytics at the Edge



[Intel® Core™
Ultra Processors](#)



[OpenVINO™
Toolkit](#)



[Intel® Ethernet](#)

Key Features

Empowered by Intel.



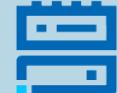
Ultra-Powerful
AI Performance



Superior
Cooling Design

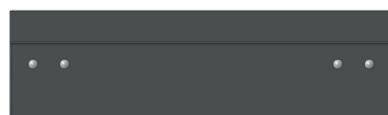
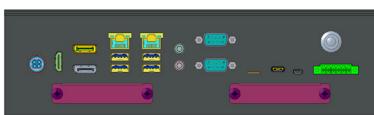


High-Speed
Memory



Flexible Storage
Options

Realbom RA-AI5000



Product Specifications

CPU	Intel® Core™ Ultra processors (Series 1 and 2), Default Intel® Core™ Ultra Processor 155H
Graphics	Intel® Arc™ Graphics
Memory	2*DDR5 SO-DIMM, Default 32G, up to 128G
Storage	M.2 Key-M NVMeX4 2280, Default 256G
Wireless Network	Wi-Fi/BT/4G/5G
LAN	2*2.5G RJ45 LAN using Intel® Ethernet Controller I226-V
Operating / Storage Temp.	-10°C~60°C / -40°C~85°C
Dimension (W x D x H)	280mm x 205mm x 60mm
Weight	2Kg
OS	Windows 11, Ubuntu

Learn More

[Realbom RA-AI5000](#)

Intel technologies may require enabled hardware, software or service activation. // No product or component can be absolutely secure. // Your costs and results may vary. // Performance varies by use, configuration and other factors. // See our complete legal [Notices and Disclaimers](#). // Intel is committed to respecting human rights and avoiding causing or contributing to adverse impacts on human rights. See Intel's [Global Human Rights Principles](#). Intel's products and software are intended only to be used in applications that do not cause or contribute to adverse impacts on human rights.

© Intel Corporation. Intel, the Intel logo and other Intel marks are trademarks of Intel Corporation or its subsidiaries. Other names and brands may be claimed as the property of others.