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

Realbom RA-AI5000

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
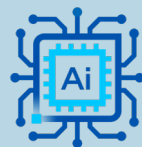Accelerating AI and Analytics at the Edge

Intel® Core™ Ultra Processors

OpenVINO™ Toolkit

Intel® Ethernet

Key Features

Empowered by Intel.

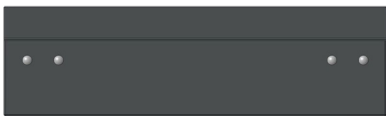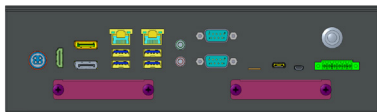 **Ultra-Powerful AI Performance**

 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

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