

Rugged AI Edge System for Vision & Automation Workloads



Axiomtek IPC964A



Rugged Industrial System with Rich I/O and 4 PCIe Expansion

The Axiomtek IPC964A with support for 12th/13th/14th Gen Intel® Core™ processors and DDR5 memory, delivers exceptional computing performance for machine vision and automation workloads; it would be a perfect model to help in real-time quality inspection, AI-driven analytics, and uninterrupted reliability in harsh environments. Its four PCIe expansion slots and modular design enable flexible integration of GPU, frame grabber, or motion-control cards to meet evolving vision requirements. Front-accessible I/O, dual 2.5 GbE LAN ports, and rich USB 3.2 interfaces simplify connectivity to high-speed cameras, sensors, and field devices. Built with rugged, fanless construction and -20°C to 60°C operating tolerance, it ensures dependable performance in factory floors, roadsides, or inspection stations.

High-performance, Rugged IPC with PCIe Flexibility for AI and Machine Vision

Intel Products and Technologies

Accelerating AI and Analytics at the Edge



Intel® Core™
Processors



Intel®
Ethernet

1
oneAPI
Intel® oneAPI
Toolkit



OpenVINO™
Toolkit

Key Features

Empowered by Intel.



GPU and
Vision Ready



High-Speed
Cameras and
Sensors



Rugged 24/7
Reliability



Secure
Remote
Management

Axiomtek IPC964A



Product Specifications

CPU	14th/13th/12th Gen Intel® Core™ processor, up to 65W
Graphics	Intel® UHD Graphics 770; discrete GPU card supported
Memory	262-pin DDR5 4800 non-ECC SO-DIMM, up to 96GB
Storage	2 x 2.5" HDD/SSD bay (7/9.5/15 mm height) 1 x M.2 Key M 2280 socket (PCIe x4 Gen 4)
Wireless Network	Expandable module for WiFi/LTE with 1 x full-size PCI Express Mini Card slot (USB & PCIe interface) with SIM slot
LAN	1 x 2.5GbE LAN (Intel® Ethernet Controller I226-V) 1 x 1GbE LAN with Intel® AMT (Intel® Ethernet Connection I219-LM) More LAN ports are available from extension I/O modules
Operating/Storage Temp.	-20°C to +60°C / -20°C to +80°C
Dimension (W x D x H)	205mm x 192mm x 260mm
Weight	5.6 kg / 6.7 kg
OS	Windows 10, Windows 11, Windows 10 IoT, Windows 11 IoT, and Linux OS

Learn More

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