

Enabling Smarter, Safer, and Reliable Edge Computing



ASRock Industrial iEP-7030E Series Industrial IOT Controller with Intel AI Acceleration



The iEP-7030E Series delivers high-performance, rugged reliability, and flexible connectivity for industrial edge computing. Powered by Intel® Core™ Ultra processor (Series 1), Intel® Arc™ graphics, and an integrated NPU, it provides powerful AI acceleration for computer vision, automation, and real-time analytics. Designed for demanding industrial environments, it supports dual DDR5 5600 S0-DIMM (up to 96GB) with in-band ECC, TPM 2.0 security, and versatile expansion including 5G, Wi-Fi, and multiple I/O interfaces. With -25°C~50°C operating range, fanless design, 100G shock, and 5 Grms vibration resistance, the iEP-7030E ensures reliable performance in harsh conditions. Its wide-range DC power input, multiple LAN with PoE options and isolated digital I/O enable seamless deployment in smart factories, robotics, and edge AI applications. Compact and robust, the iEP-7030E provides the ideal platform for industrial automation and intelligent edge solutions.

***Proven in
real-world
AI vision
inspection
and robotics
automation***

Intel Products and Technologies Accelerating AI and Analytics at the Edge



Intel® Core™
Ultra Processors



Intel® Arc™
Graphics



OpenVINO™
Toolkit



Intel® oneAPI
Base Toolkit

Key Features

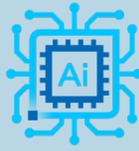
Empowered by Intel.



Ruggedized Reliability



Versatile Industrial Connectivity



AI-Accelerated Processing



Secure and Scalable Design

ASRock Industrial iEP-7030E Series



Product Specifications

CPU	Intel® Core™ Ultra 7 Processor 155H, 16C, 1.40GHz, 28W / Intel® Core™ Ultra 5 Processor 125H, 14C, 1.20GHz, 28W
Graphics	Intel® Arc™ Graphics
Memory	2 x DDR5 5600MHz SO-DIMM, up to 96GB (Support In-Band ECC)
Storage	1 x M.2 2280 Key M (PCIe Gen4 x4)
Wireless Network	1 x M.2 3042/3052 Key B (PCIe Gen3x1/USB3.2 mode) Support 4G LTE/5G module 1 x M.2 2230/2260 Key E (CNVi/PCIe Gen3x1/USB2.0 mode) Support Wifi/BT module
LAN	3 x Intel® Ethernet Controller I226-IT (RJ45 connector) 2 x Intel® Ethernet Controller I210-AT for 5LAN SKU (RJ45 connector) 2 x Intel® Ethernet Controller I210-AT (RJ45 connector), PoE output max.15.4W/port, each port supports IEEE 802.3AF PoE. (For PoE SKU)
Operating / Storage Temp.	-13°F~122°F (w/ airflow 0.5~0.8m/s) / -40°F ~185°F
Dimension (W x D x H)	55mm x 134mm x 170mm (Basic/8DIO SKU) 68mm x 134mm x 170mm (PoE/5LAN/5G SKU)
Weight	Basic SKU : 1.57 kg / PoE SKU : 2.37kg / 5LAN SKU : 2.27kg / 5G SKU : 2.15kg 8DIO SKU : 1.70 kg
OS	Windows 11 & Linux

Learn More

[ASRock iEP-7030E Series](#)

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