

ASROCK INDUSTRIAL IEP-7040E SERIES



The ASRock Industrial iEP-7040E Series is a next-generation industrial IoT controller designed to deliver advanced artificial intelligence performance, high-quality graphics, and robust connectivity in perimeter computing applications. Equipped with powerful Intel® Core™ Ultra 200H (Arrow Lake-H) processors, this system optimizes intelligent automation, computer vision and real-time processing tasks, thanks to its combination of AI-specialized CPUs, GPUs and NPUs.

- **Advanced AI Performance with Intel® Core™ Ultra 200H Processors**

- La serie iEP-7040E ofrece aceleración de IA de vanguardia con procesadores Intel® Core™ Ultra 7 255H/5 225H, con hasta 16 núcleos y gráficos Intel® Arc™. Diseñado para la computación periférica, mejora la visión por ordenador, el análisis predictivo y la automatización en tiempo real. Al admitir hasta 96 GB de memoria DDR5 y ECC en banda, garantiza una inferencia de IA de alto rendimiento con eficiencia energética.

- **Versatile I/Os, Expansions, and Configurations**

- The iEP-7040E series is designed for efficient industrial integration, with a compact, fanless design. It offers multiple connectivity options, including RS232/422/485 serial ports, USB 3.2, LAN up to 2.5GbE, and PoE and 5LAN versions. Its expandability includes M.2 slots for 5G, Wi-Fi, storage, and a microSD input. In addition, it provides HDMI and VGA outputs for AI vision applications and digital I/O options with isolation for industrial automation.

- **Enhanced RF Capabilities and Rugged Design**

- The iEP-7040E series is designed for demanding industrial environments, with support for 4G LTE, 5G, Wi-Fi 7/6E and Bluetooth 5.4. Its RF configuration includes up to seven SMA connectors and a Nano SIM slot, ensuring a stable connection. Operating in a temperature range of -25°C to 50°C, it offers

high resistance to shock and vibration. It supports 9/19-36V DC power supply with surge and spike protection up to 80V. In addition, it allows wall, VESA and DIN rail installation, providing maximum flexibility.

- **Driving Open Process Automation™ with iEP-7040E Series**
 - ASRock Industrial iEP-7040E Series drives Open Process Automation™ with modular architecture, high performance AI and edge computing capabilities. Designed to integrate into intelligent manufacturing, industrial IoT and automation control systems, it offers open, secure and scalable solutions for vendor-neutral ecosystems.



For full product
info and datasheet
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ASRock Industrial

ASRock Industrial Computer was established as an independent company in July 2018, focusing on the fields of motherboards, edge computers, and other products for the manufacturing, business, and retail industries.

