

Empowering Edge AI with Reliable Industrial Computing



E430-10PTI

AI-Ready Thin Mini-ITX with DDR5 and PCIe Gen5

MiTAC's E430-10PTI Thin Mini-ITX is a next-generation industrial system powered by Intel® Core™ Ultra Series 3 processors. It combines a 16-core high-performance CPU with integrated NPU acceleration delivering up to 50 TOPS for edge AI workloads. It also supports up to 128GB of DDR5 7200 MT/s memory through dual SO-DIMM slots, enabling demanding AI inference, analytics, and edge computing applications.

The platform features PCIe Gen5 expansion, multiple M.2 interfaces for storage, wireless, and cellular connectivity, as well as triple display support through HDMI, DisplayPort, and LVDS/eDP outputs for flexible visualization environments. Dual Intel® Ethernet, including 2.5GbE connectivity, ensures versatile connectivity for industrial automation, smart IoT, and embedded systems. With wide-temperature support (0°C–60°C), DC-in 12–28V, and TPM 2.0 security, E430-10PTI provides a reliable platform for smart factories, medical imaging, autonomous systems, and in-vehicle deployments.



***Reliable Thin
Mini-ITX
platform with AI
acceleration for
smart factories,
medical
imaging, and
vehicle systems.***

Intel Products and Technologies

Accelerating AI and Analytics at the Edge



Intel® Core™
Ultra Processors



Intel® Iris® Xe
Graphics



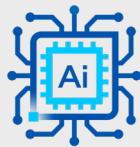
OpenVINO™
Toolkit



Intel® oneAPI
Toolkit

Key Features

Empowered by Intel.



AI Acceleration
with Integrated
NPU5



High-Speed
Expansion



Triple Display
Outputs: HDMI,
DP, LVDS/eDP



Industrial
Reliability

MiTAC E430-10PTI



intel ai

Intel® AI Edge Systems

Product Specifications

CPU	Intel® Core™ Ultra Series 3 processor
Graphics	Integrated Intel® Xe / Xe3 LPG architecture, triple display (HDMI, DP, LVDS/eDP)
Memory	2 × DDR5 SO-DIMM, up to 128GB, 7200 MT/s
Storage	1 × M.2 2242/2280 M-key (NVMe SSD), 2 × SATAIII
Wireless Network	Wi-Fi 7 R2 via M.2 E-key; 5G/LTE Ready via M.2 B-key + Nano SIM
LAN	Dual Intel® Ethernet (1 × 2.5G + 1 × 1G)
Operating / Storage Temp.	0°C ~ 60°C / -40°C ~ 85°C
Dimension (W x D x H)	170mm × 170mm × 25 mm
Weight	2.9kg
OS	Windows 11 IoT Enterprise LTSC 2024; Ubuntu 24.04 LTS
I/O (Input/Output)	1 × HDMI, 1 × DisplayPort, 1 × LVDS/eDP; 1 × PCIe Gen5 x8 slot or PCIe Gen4 x2; 1 × M.2 2242/2280 M-key (NVMe SSD); 1 × M.2 2230 E-key (Wi-Fi/BT); 1 × M.2 3042/3052 B-key (LTE/5G) 2 × Intel LAN ports (RJ-45); 4 x USB 3.2 / 2 x USB 2.0 ports DC-in 12–28V

Learn More

[MiTAC E430-10PTI](#)

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.