

A Smaller, Fanless, More Efficient AI Mini PC



AAEON PICO-MTU4-SEMI PICO-SEMI with Intel® Core™ Ultra 5 Processors



Deploying AI at the edge often means facing limits in power, space, and reliability. The PICO-MTU4-SEMI solves these with Intel® Core™ Ultra processor performance, a built-in NPU for efficient inferencing, and a fanless compact design that runs quietly with minimal upkeep. At just 108mm x 95mm x 43mm and 600g, it delivers scalable AI power for robotics, industrial automation, and smart city use. Rich I/O including dual LAN, COM, and M.2 slots ensures flexible expansion. Unlike standard mini PCs, it combines small size with low power draw and long-term stability, making it the ideal platform for reliable edge AI deployment.

**High-
performance
AI edge
computing
in a compact,
fanless design**

Intel Products and Technologies

Accelerating AI and Analytics at the Edge



Intel® Core™
Ultra Processors



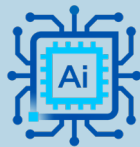
OpenVINO™
Toolkit



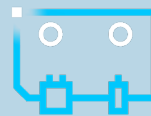
Intel® Ethernet

Key Features

Empowered by Intel.



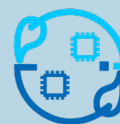
Efficient AI
Inferencing



Compact
Fanless
Design



Rich I/O and
Expansion



Sustainable
Edge
Computing

AAEON PICO-MTU4-SEMI



Product Specifications

CPU	Intel® Core™ Ultra 5 Processor 125U (2PC+10EC/14T, P core 1.30 GHz, E core 0.80 GHz, 15W)
Graphics	Intel® Graphics
Memory	Single Channel LPDDR5 6400, up to 32GB
Storage	M.2 2280 M-Key x 1 (PCIe 4.0 [x4]/SATA, Default: PCIe [x4], select by BOM)
Wireless Network	M.2 2230 E-Key x 1 (PCIe 4.0 [x1] + USB 2.0)
LAN	Intel® Ethernet Controller I226, 2.5GbE, RJ 45 x 1 Intel® Ethernet Connection I219, 1GbE, RJ 45 x 1
Operating / Storage Temp.	14°F ~ 122°F / -40°F ~ 185°F
Dimension (W x D x H)	108mm x 95mm x 43mm
Weight	0.60 kg
OS	Windows 10/11 (64 bit) / Linux Ubuntu 22.04.2 Kernel 5.19.0 32 generic

Learn More

[AAEON PICO-MTU4-SEMI](#)

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.