

Robust Edge AI System Powered by Intel® Core™ Ultra Processors



AAEON GENESYSM-MTH6

Slim SubCompact AI Edge System for Industrial Setups

GENESYSM-MTH6 combines compact design with powerful expansion to meet the demands of industrial AI and surveillance applications. Its PER-SB2B expansion module provides a substantial boost to the expansion options available, provides the system with two M.2 2280 M-Key slots for high-speed storage or AI acceleration, while maintaining an additional M.2 2280 M-Key on the system's motherboard. Other expansion options include an M.2 3052 B-Key and M.2 2230 E-Key, which allow for the installation of 5G and Wi-Fi 6E CNVi modules, respectively.

Environmental resilience reinforces the GENESYSM-MTH6's credibility for industrial deployment, with a 9V to 36V power input range with ERP support alongside a -10°C to 50°C operating temperature range. Powered by Intel® Core™ Ultra processors, the platform delivers advanced compute performance with integrated AI acceleration, while developers can optimize inference using the OpenVINO™ toolkit.



A Compact Industrial AI System with Enhanced Expansion Options

Intel Products and Technologies

Accelerating AI and Analytics at the Edge



[Intel® Core™ Ultra Processors](#)



[OpenVINO™ Toolkit](#)



[Intel® Arc™ Graphics](#)



[Intel® Ethernet](#)

Key Features

Empowered by Intel.



High-Speed
Memory



Versatile
Connectivity



Flexible
Expansion



Wide Power
Range

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Product Specifications

CPU	Intel® Core™ Ultra 7 Processor 155H (16C/22T, up to 4.8 GHz, 28W) Intel® Core™ Ultra 5 Processor 125H (14C/18T, up to 4.5 GHz, 28W) Intel® Core™ Ultra 7 Processor 155U (12C/14T, up to 4.8 GHz, 15W) Intel® Core™ Ultra 5 Processor 125U (12C/14T, up to 4.3 GHz, 15W)
Graphics	Intel® Arc™ Graphics
Memory	DDR5 5600 MHz, Dual Channel SODIMM x 2, up to 96GB
Storage	M.2 2280 M-Key x 3, M.2 3052 B-Key x 1, M.2 2230 E-Key x 1
Wireless Network	Wi-Fi 6E CNVi
LAN	2 x 2.5GbE (Intel® Ethernet Controller I226) 1 x 1GbE (Intel® Ethernet Connection I219)
Operating / Storage Temp.	-10°C ~ 50°C / -40°C ~ 85°C
Dimension (W x D x H)	190mm x 134.1mm x 43mm
Weight	0.9kg
OS	Windows 10, Windows 11, Linux Ubuntu 22.04.3

Learn More

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