



Always Agile, Always Ahead.

# AI SOLUTIONS

## **AEON:** Shaping the Future of AIoT

A global leader in embedded computing platforms for AIoT, offering cutting-edge, tailored solutions that drive efficiency and innovation for global clients.



# AAEON

Your Trusted Partner in  
Embedded Excellence

Delivering a comprehensive range  
of embedded hardware solutions  
for diverse applications.

- + Single Board Computer
- + Industrial Motherboard
- + Fanless Computer
- + AI Inference Server
- + Panel PC
- + Networking Appliance
- + Computer on Module
- + UP Developer Solution
- + AI Edge Computer
- + IoT Gateway
- + Rugged Tablet
- + IPC



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# **AAEON** Makes Your Ideas Come Alive

## **FLEXIBLE**

Designed for Diverse Industrial Applications

## **ADAPTABLE**

Built for Harsh Environments

## **CUSTOMIZABLE**

Tailored to Meet Your Specific Needs

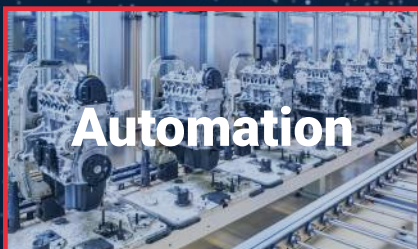
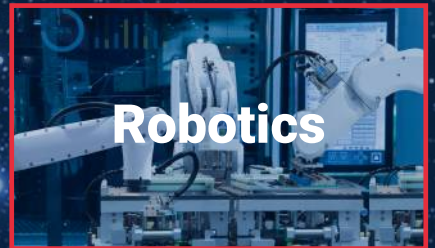


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# **AAEON** Tailored Solutions for Every Industry

Our cutting-edge products are designed to meet the diverse demands of various industries.





# **AAEON** Shaping the Future of AIoT

In collaboration with global technology leaders such as **AMD, Intel, and NVIDIA**, AAEON delivers a wide range of AI Edge platforms.

With a versatile product portfolio and deep industry expertise, we accelerate your development and deployment, transforming your AI vision into a fully integrated, ready-to-deploy solution.



### BOXER-8621AI

AI@Edge Compact Fanless Embedded AI System with NVIDIA® Jetson Orin Nano™ with Super Mode

- NVIDIA® Jetson Orin Nano™ with Super Mode
- Expansion: M.2 2230 E-Key x 1, M.2 3052 B-Key x 1
- USB 3.2 Gen 2 (Type-A) x 2 & USB 2.0 (Type-A) x 2
- COM, DIO, CANBus
- Operating Temperature: -5°F ~ 140°F (-15°C ~ 60°C)



### BOXER-8653AI

AI@Edge Compact Fanless Embedded AI System with NVIDIA® Jetson Orin™ NX (Super Mode Supported)

- NVIDIA® Jetson Orin™ NX (Super Mode Supported)
- GbE PoE/PSE 802.3af/at x 4 + GbE LAN x 1
- M.2 2230 E-Key x 1, M.2 2280 M-Key x 1, M.2 3042/3052 B-Key x 1
- COM/CANBus/DIO
- Operating Temperature: -15°C ~ 60°C



### BOXER-8622AI

AI@Edge Compact Fanless Embedded AI System with NVIDIA® Jetson Orin Nano™ with Super Mode

- NVIDIA® Jetson Orin Nano™ with Super Mode
- 4GB/8GB LPDDR5
- Supports M.2 E-Key x 1, M.2 B-Key x 1, M.2 M-Key x 1
- Supports DB-9 x 1 for CANBus
- Supports GbE LAN x 2



### BOXER-8655AI

AI@Edge Fanless Embedded AI System with NVIDIA® Jetson Orin™ NX (Super Mode Supported)

- NVIDIA® Jetson Orin™ NX (Super Mode Supported)
- GMSL2 with FAKRA Connectors x 8
- Giga LAN x 5
- TPM, 9-Axis sensor and GPS
- 9V ~ 48V DC in with ACC Ignition Delay On/Off
- Military Standard Vibration and Shock
- E-Mark Certified



### BOXER-8623AI

AI@Edge Compact Fanless Embedded AI System with NVIDIA® Jetson Orin Nano™ with Super Mode

- NVIDIA® Jetson Orin Nano™ with Super Mode
- GbE PoE/PSE 802.3af/at x 4 + GbE LAN x 1
- M.2 2230 E-Key x 1, M.2 2280 M-Key x 1, M.2 3042/3052 B-Key x 1
- COM/CANBus/DIO
- Operating Temperature: -15°C ~ 65°C



### BOXER-8658AI

AI@Edge Fanless PoE Embedded AI System with NVIDIA® Jetson Orin™ NX (Super Mode Supported)

- NVIDIA® Jetson Orin™ NX (Super Mode Supported)
- PoE/PSE GbE LAN x 8
- Giga LAN x 2
- 9V ~ 36V DC in with ACC Ignition Delay On/Off
- Military Standard Vibration and Shock
- IMU, TPM, GNSS



### BOXER-8651AI

AI@Edge Compact Fanless Embedded AI System with NVIDIA® Jetson Orin™ NX (Super Mode Supported)

- NVIDIA® Jetson Orin™ NX (Super Mode Supported)
- Expansion: M.2 2230 E-Key x 1, M.2 3052 B-Key x 1
- USB 3.2 Gen 2 (Type-A) x 2 & USB 2.0 (Type-A) x 2
- COM, DIO, CANBus
- Operating Temperature: -5°F ~ 131°F (-15°C ~ 55°C)



### BOXER-8640AI

AI@Edge Fanless Embedded Box PC with NVIDIA® Jetson AGX Orin™ 32GB

- NVIDIA® Jetson AGX Orin™
- PoE/PSE 802.3af x 4 (Max. 60W)
- RS-232/422/485 x 1, CANBus x 1
- 40-pin Header, Mic-in/Line-out
- M.2 2230 E-Key, M.2 2280 M-Key, 2.5" SATA Drive Bay



### BOXER-8652AI

AI@Edge Compact Fanless Embedded AI System with NVIDIA® Jetson Orin™ NX (Super Mode Supported)

- NVIDIA® Jetson Orin™ NX (Super Mode Supported)
- 8GB LPDDR5
- Supports M.2 E-Key x 1, M.2 B-Key x 1, M.2 M-Key x 1
- Supports DB-9 x 1 for CANBus
- Supports GbE LAN x 2



### BOXER-8641AI

AI@Edge Compact Fanless Embedded BOX PC with NVIDIA® AGX Orin™

- NVIDIA® Jetson AGX Orin™
- Multi-storage option: 64GB eMMC / MicroSD slot / 2.5" SATA drive bay/ M.2 2280 M Key
- Support M.2 E Key / M.2 B Key / M.2 M Key
- Support GbE LAN x 2





### BOXER-8641AI-PLUS

AI@Edge Compact Fanless Embedded AI System with NVIDIA® Jetson AGX Orin™

- NVIDIA® Jetson AGX Orin™
- Giga LAN x1, 10G LAN x1
- USB 3.2 Gen 2 (Type-A) x4
- DB-9 x1 for DIO x8
- DB-9 x2 for RS-232/422/485(Rx/Tx/RTS/CTS)
- Multi-expansion option: M.2 Key E / M.2 Key B / M.2 Key M



### BOXER-8642AI

AI@Edge Fanless Embedded AI System with NVIDIA® Jetson AGX Orin™

- NVIDIA® Jetson AGX Orin™
- USB 3.2 Gen 2 (Type-A) x 8 (Independent 10Gbps)
- Intel® RealSense™ Depth Camera D405 Support
- GbE LAN x 2
- DB-9 x 2 for RS-232/422/485(Rx/Tx) & CANBus FD
- M.2 E-Key, eMMC and SATA storage



### BOXER-8645AI

AI@Edge Fanless Embedded AI System with NVIDIA® Jetson AGX Orin™

- NVIDIA® Jetson AGX Orin™
- GMSL2 with FAKRA Connectors x 8
- 10G LAN x 1, Giga LAN x 1
- ACC Ignition Delay On/Off
- Military Standard Vibration and Shock
- E-Mark Certified
- Additional LAN x 8 (By request)



### BOXER-8646AI

AI@Edge Fanless PoE Embedded AI System with NVIDIA® Jetson AGX Orin™

- NVIDIA® Jetson AGX Orin™
- PoE/PSE GbE LAN x 12
- 10G LAN x 1 and Giga LAN x 1
- Multi-expansion: M.2 E Key / M.2 B Key / M.2 M Key
- CANBus / COM / DIO



### BOXER-8654AI-KIT

AI@Edge Embedded board with NVIDIA® Jetson Orin™ NX (Super Mode Supported)

- NVIDIA® Jetson Orin™ NX (Super Mode Supported)
- MIPI Connector x 2
- M.2 2230 E-Key x 1, M.2 2280 M-Key x 1, M.2 3052 B-Key x 1
- 40-pin Header compliant with NVIDIA Jetson Orin Nano Developer Kit
- PoE Connector, FAN Connector
- 12V ~ 24V Wide Power DC Input
- TPM 2.0 Support (by Jumper select)



### BOXER-6843-ADS

Fanless Embedded Controller with 12/13/14th Gen Intel® Core™/Celeron® Processor G Series (Support NVIDIA L4)

- 12/13/14th Gen Intel® Core™/Celeron® Processor G Serie
- DDR5 U-DIMM x 4
- HDMI x 2 + DP x 2
- PCIe [x16] + PCIe [x4] or Dual PCIe [x8] (in [x16] slot) + PCIe [x4]
- Supports Dual Graphics Cards with Dual Power Inputs
- Support NVIDIA L4



### MAXER-2100

AI Inference Server, 2U Rackmount with 12/13th Gen Intel® Core™ and NVIDIA RTX™ 6000 Ada

- High-performance for AI inference
- 12/13th Gen Intel® Core™ LGA1700 Socket Processors
- High CPU computing performance: Build in i9-13900, up to i9-13900K supported
- 2U Rack Mount, Front Access I/O Design
- M.2 2242/2280 M-Key x 2
- M.2 3042/3052/2242 B-Key + Micro SIM Slot
- M.2 2230 E-Key x 1
- Onboard TPM 2.0



### MAXER-5100

AI Inference Server, Tower with 12/13/14th Gen Intel® Core™ (Support NVIDIA RTX™ 2000 Ada)

- High-performance for AI inference: Support NVIDIA RTX™ 2000 Ada
- 12/13th/14th Gen Intel® Core™ LGA1700 Socket Processors
- M.2 2242/2280 M-Key x 1
- SATA Drive Bay x 2
- Onboard TPM 2.0



### Intelli i14 Edge

Compact AI Vision System with 14th Gen Intel® Core™ (Support NVIDIA A2000/A4500 MXM Module)

- 14th Gen Intel® Core™ i9/i7/i5 Processors high performance for multitasking, more workloads, and running devices simultaneously for real-time applications
- Flexible expandability options with NVIDIA A2000/A4500 MXM module type A, B, B+, and Intel® Arc™ GPU
- Reliability about rugged design with IEC EN60068-2-64, making it a perfect solution for the ADAS environment
- Compact design (W x L x H: 205mm x 190mm x 70mm), making it easy to deploy in limited space



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