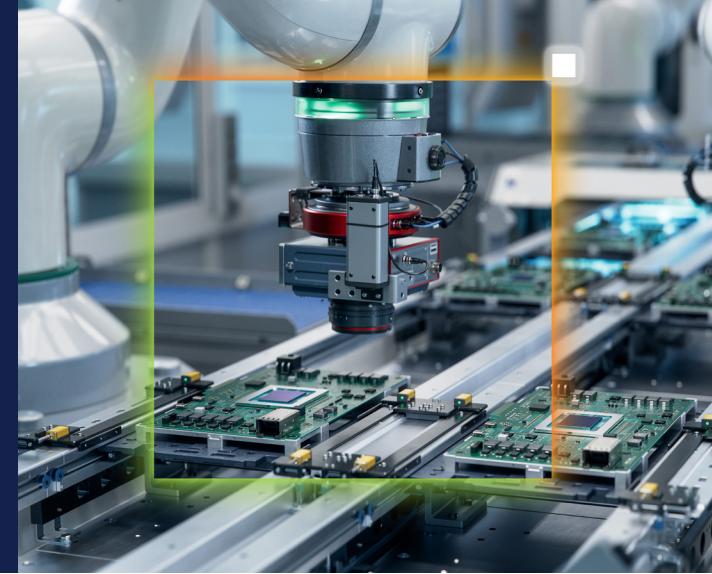


Industrial-Grade System Powered by Intel® Core™ Ultra 200H Series Processors



AAEON UP Xtreme ARL Edge

Empowering Edge AI with Rugged Design and 97 TOPS Performance

The UP Xtreme ARL Edge is a ready-to-deploy ruggedized system designed to simplify industrial AI integration. Powered by Intel® Core™ Ultra 200H Series Processors and supported by the UP Edge AI Toolkit, it delivers exceptional processing and inferencing performance for industrial robotics and edge computing. Combining legacy serial and high-speed networking interfaces with an AI engine capable of managing complex workloads, the UP Xtreme ARL Edge is the complete package, ready to deploy at scale across mission-critical environments. Its industrial-grade enclosure offers fanless operation across temperatures as wide as -20°C to 60°C, is compatible across the full range of industrial power standards with a 9V to 36V DC power input range, and is built to withstand the shock, vibration, and noise of industrial robots, AGVs/AMRs, and heavy machinery.



Built to simplify integration and accelerate industrial robotics innovation

Intel Products and Technologies

Accelerating AI and Analytics at the Edge



[Intel® Core™ Ultra Processors](#)



[OpenVINO™ Toolkit](#)



[Intel® Arc™ Graphics](#)

Key Features

Empowered by Intel.



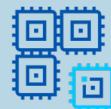
High-
Performance AI
Computing



Ruggedized,
Industrial-
Grade Design



Flexible
Connectivity



Scalable
Edge
Platform

AAEON UP Xtreme ARL Edge



Product Specifications

CPU

Intel® Core™ Ultra 5 processor 225H (18M Cache, up to 4.90 GHz)
Intel® Core™ Ultra 7 processor 255H (24M Cache, up to 5.10 GHz)
Intel® Core™ Ultra 7 processor 265H (24M Cache, up to 5.30 GHz)

Graphics

Intel® Arc™ Graphics

Memory

Up to 64GB onboard LPDDR5 (Dual-Channel)

Storage

M.2 2280 M-Key x 2 / SATA 6Gb/s x 1

Wireless Network

M.2 2230 E-key x 1

LAN

2.5GbE x 1 (via Intel® Ethernet Controller I226-IT)
GbE x 1 (Intel® Ethernet Connection I219)

Operating / Storage Temp.

-20°C ~ 60°C / -40°C ~ 80°C

Dimension (W x D x H)

152mm x 123.8mm x 71.5mm

Weight

2.95 lbs

OS

Windows 11 LTSC, Ubuntu: 24.04 LTS, Yocto: 5.1

Learn More

[AAEON UP Xtreme ARL Edge](#)

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