

Powerful Board Sets New Standards in Performance, Flexibility, and AI Integration



Take AI-Driven Projects to the Next Level

UP Xtreme ARL - an industrial-grade developer board that sets new standards in performance, flexibility, and AI integration. Powered by Intel® Core™ Ultra™ Processors and the Intel® Arc™ Graphics engine, this compact board (120.35×122.5mm) is engineered for high-performance applications in a space-efficient design.

The UP Xtreme ARL takes AI-driven projects to the next level, delivering a 3X AI performance upgrade compared to its predecessor. With an integrated NPU providing up to 99 Platform TOPS, it's optimized for real-time AI inferencing, deep learning, and edge computing tasks—a perfect choice for computer vision, robotics, and other advanced AI applications.

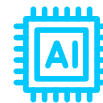
Key Features



Powerful
Performance



High-End
Graphics



Integrated NPU
AI Engine



Industrial-Grade
Reliability

Intel Products & Technology



Intel® Core™ Ultra Processors Series 2

Intel® Core™ Ultra processors scale performance and AI acceleration, powering edge computing across smart cities, factories, retail, entertainment, and healthcare for advanced AI-driven solutions.

Learn More

[AAEON UP Xtreme ARL](#)



Intel® Arc™ GPU

Intel® Arc™ is a high performance graphics brand, designed to accelerate AI and parallel processing workloads at the edge. Its advanced compute capabilities enable high-resolution vision analytics, making it ideal for industrial AI applications.