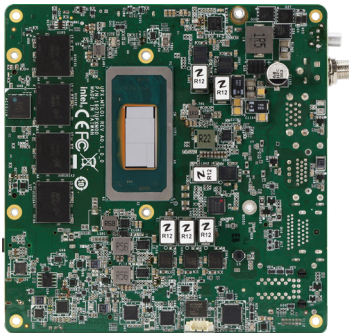
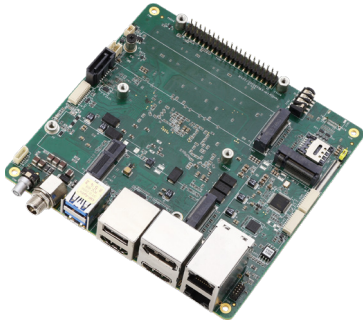


UP Xtreme ARL: AI-Ready Dev Board with Intel® Core™ Ultra Processors (Series 2) Performance



Professional Developer Board with AAEON AI Toolkit Support and Intel® Edge System Qualification (Intel® ESQ)

Leveraging the significant advancements in integrated computing provided by the Intel® Core™ Ultra Processors (Series 2) platform, the [UP Xtreme ARL](#) redefines what's possible as it takes its place as the most powerful developer board ever. Combining a choice of Intel® Core™ Ultra 7 processor 265H, Intel® Core™ Ultra 7 processor 255H, or Intel® Core™ Ultra 5 processor 225H CPUs with a board stacked with all the features needed to build elite AI-driven applications across AMR and advanced robotics, the UP Xtreme ARL is uniquely positioned to help professional developers harness the endless possibilities that lay ahead.

With Intel® Core™ Ultra Processors (Series 2) CPUs offering monumental advancements through both a power-optimized core microarchitecture and Intel® DL Boost-accelerated integrated Intel® Arc™ 140T GPU, the UP Xtreme ARL can achieve up to 97 TOPs of AI performance for the execution of multiple concurrent compute and edge inference tasks. Meanwhile, its Intel® AI Boost NPU offers extensive software framework support for streamlined model development.

Key Features



Rich I/O for
Robotics & AMR



Edge AI Toolkit
Support



Rugged
Design



97 TOPs of AI
Performance

Intel Products & Technology



[Intel® Core™ Ultra Processors](#)



[Intel® Arc™ GPUs](#)



[OpenVINO™ Toolkit](#)

[Intel® AI Boost](#)

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