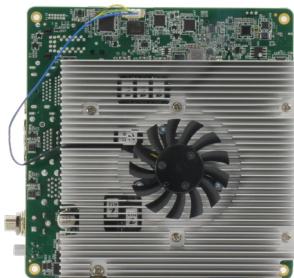


# UP Xtreme i14: AI-Ready Dev Board with Intel® Core™ Ultra Processor Performance



## Professional Developer Board Powered by Intel® Core™ Ultra Processors with AAEON AI Toolkit Support

Powered by Intel® Core™ Ultra Processors (Series 1), the [UP Xtreme i14](#) unlocks broader AI development across more markets than any previous AAEON board. It features dual MIPI camera support, four 8K display outputs, and a Raspberry Pi-compatible 40-pin GPIO. Its disaggregated die — combining CPU, Intel® Arc™ GPU, and Intel® AI Boost NPU — enhances AI throughput and dynamic task allocation with the OpenVINO™ toolkit. Supporting up to 64GB LPDDR5 and delivering 32 TOPS, it excels in robotics, smart retail, and healthcare. Four M.2 Keys enable Wi-Fi, 5G, and AI modules, while rich I/O and a 9V–36V input suit industrial deployment. High-resolution imaging and real-time edge processing are powered by two HDMI 2.1 ports, DP 2.1, and DP 1.4 via USB-C, making it ideal for AI-assisted signage, POS, and medical diagnostics.

## Key Features



Rugged  
Design



Multi-Device  
Expansion



Native AI  
Acceleration



Model  
Development  
Support

## Intel Products & Technology



[Intel® Core™ Ultra Processors](#)

[OpenVINO™](#) [OpenVINO™ Toolkit](#)



[Intel® Arc™ Graphics](#)

[Intel® AI Boost](#)

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