

Intel-Powered Edge AI: Smarter Video Analytics for Future Cities



HAWK 3I140DW



Rugged Edge AI System for Real-Time Video Analytics Powered by Intel® Core™ Ultra Processors

The [HAWK 3I140DW](#) redefines high-performance computing with next-generation Intel® Core™ Ultra processors (Series 2). Engineered for seamless data handling and ultra-responsive performance, this platform delivers exceptional processing power with optimized energy efficiency for demanding edge environments.

Unprecedented AI Performance Featuring built-in Intel® Arc™ graphics and an integrated NPU, the HAWK 3I140DW achieves up to 99 total platform TOPS. This advanced architecture accelerates real-time AI analytics while maintaining outstanding power efficiency—making it the ultimate solution for AI-driven edge applications and smart city security.

High-Speed Connectivity & Versatile Expansion:

- Networking: 5 x 2.5GbE RJ45 ports for robust, high-speed data transmission.
- Rich I/O: Comprehensive interfaces including dual COM, 4 x USB, HDMI®, DisplayPort, and Type-C (DP Alt Mode).
- Expansion: Supports up to 64GB DDR5, PCIe x8, and M.2 2280 M-Key.
- Wireless Ready: Equipped with dual M.2 3042 B-Key slots for LTE/5G and a Nano-SIM slot, ensuring constant connectivity in mobile or remote deployments.



Key Features



Multi-Workload
Acceleration



High-Speed
Connectivity



Industrial
Determinism



Ruggedized
Compact Design

intel ai

Intel® AI Edge Systems

Intel Products & Technologies



[Intel® Core™ Ultra
Processors](#)



[Intel® Arc™
Graphics](#)



[OpenVINO™
Toolkit](#)

[Intel® Edge Controls
for Industrial](#)

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