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

HAWK 3I140DW

Lex SYSTEM® × intel.

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 Products & Technology

Intel® Core™ Ultra Processors	OpenVINO™ Toolkit	Intel® Edge Controls for Industrial

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