HAWK-15

AI ENABLED

EMPOWERED BY HAILO

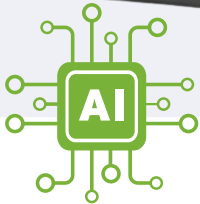## PRODUCT HIGHLIGHTS

- ⊕ Optimized rugged computing with modular, high-performing architecture

- ⊕ Ultimate flexibility:
  - Expansion for GNSS/GPS, memory, and wireless interfaces
  - COMe Type 6 for processor optimization (x86, ARM, etc.)

- ⊕ Latest Generation Intel Core Ultra Series 2 delivers native AI workload acceleration via high performance NPU

- ⊕ Up to 5 Hailo-8 AI Accelerators providing up to 130 TOPS of AI processing performance

- ⊕ 5-40 HD 1080P cameras dependent on fps requirements

Markets Served

- ⊕ Manufacturing
- ⊕ Industrial Automation
- ⊕ Energy and Utilities
- ⊕ Video Surveillance & Security
- ⊕ Smart City

FEATURES

OPERATING SYSTEM	Windows IOT, Ubuntu 20.04
PROCESSOR	Intel® Arrow Lake Core Ultra 7 Series 2 CPU: 16 cores @ 2GHz NPU: Up to 13 TOPS of AI acceleration Multiple other processor options available including Core i3, i5, i7, and XEON with 4 to 8 cores @ up to 2.6GHz
MEMORY	3x SODIMMS up to 128GB DDR4 (3200 MHz)
GRAPHICS	• Up to five (5) M.2 expansions slots, each with x4 PCIe 3.0 lanes, for Hailo-8 Accelerators. Each providing 26 TOPS in under 5W TDP per chip. • Up to 1TB via M.2 (SATA 3) memory slot in S30, S42 or S80 formats.
WIRELESS CONECTIVITY	Optional: WiFi 802.11 a/b/g/n/ac Optional: GSM/GPRS/LTE Cellular Support Optional: 72 Channel Engine Concurrent, Multi-GNSS: GPS, GLONAS, GALILEO, QZSS, SBAS

POWER REQUIREMENT	MIL-STD-1275, MIL-STD 461, 18 TO 36V (200W max)
MECHANICAL	Dimensions (H x W x D): 3.6" x 9.9" x 11.9"
ENVIRONMENTAL	Operating temp.: -40°C to 70°C Storage temp.: -40°C to 85°C
I/O	Up to Four (4) 1GbE Ethernet Ports Four (4) USB 3.1 Gen 2 (10G) One (1) HDMI port
COMPLIANCE	RoHS, WEE, CE, FCC

ORDERING INFORMATION

Contact us at **855.365.2188** or visit **jsquared.com/general-inquiries** to begin the ordering process.

HAWK - 15 - AAAA - BC - XXX

- **HAWK Family**
- **Processor Option**
- **AI / GPU Option**
- **Reserved for Customization**

Designed, Tested & Built
OCTAGON TOUGH®

Rev 0.1

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