FALC-20

EMPOWERED BY
HAILO
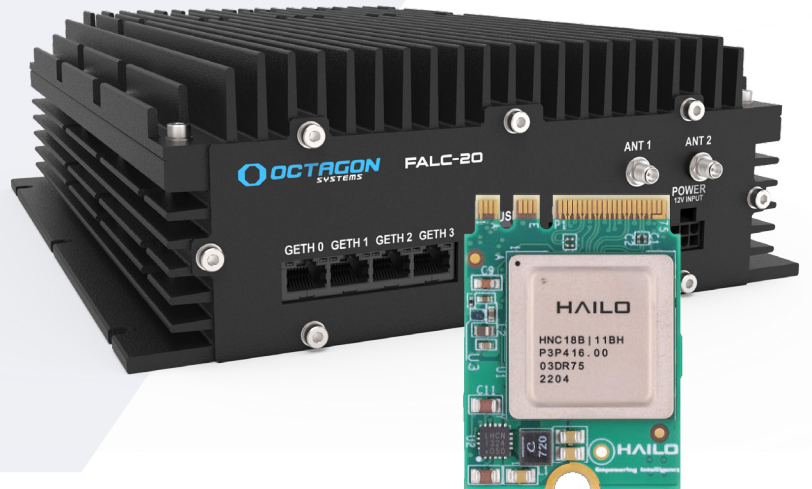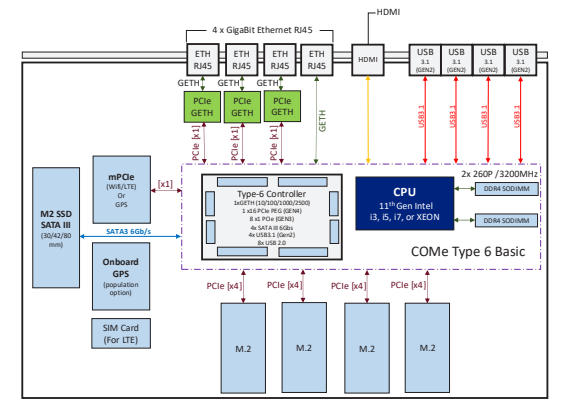
MARKETS SERVED

- Video Surveillance & Security
- Smart City
- Autonomous Transportation
- Robotics
- Construction & Mining
- Defence & Public Infrastructure
- Agriculture

PRODUCT HIGHLIGHTS

- Multiple Small Form Factors options
- Ultimate flexibility:
  - Expansion for GSP, memory, & wireless interfaces
  - COMe Type 6 for processor optimization (x86, ARM, etc.)
  - Two cooling methods available

- 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

Up to five (5x) Hailo H-8 modules

FEATURES

OPERATING SYSTEM	Windows IOT, Linux 5.3.0-46 or later, Ubuntu 18.04
PROCESSOR	Multiple 11th generation Intel processor options 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 & STORAGE EXPANSION SLOTS	Up to five (5) x4 PCIe 3.0 expansion slots 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 CONNECTIVITY	Optional: WiFi 802.11 a/b/g/n/ac Optional: GSM/GPRS/LTE Cellular Support Optional: 72 Channel Engine Concurrent, Multi-GNSS: GPS, GLONASS, GALILEO, QZSS, SBAS
SENSOR CONNECTIVITY	Up to 6 HD resolution cameras, 1080P @ 30fps 2 cameras, 8K @ 15fps
VIDEO	H.265 & H.264 video encode and decode
POWER REQUIREMENT	MIL-STD-1275, MIL-STD 461, 18 to 36V (200W max)

MECHANICAL	Two form factors, with dimensions (H x W x D) of:
	    - Fan-cooled − 2.00" x 8.00" x 13.25"
	    - Conduction-cooled − 3.55" x 9.85" x 11.88"

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 **octagonsystems.com/request-quote** to begin the ordering process.

FALC - 20 - XXXX - XXX - XXX

- FALC Family
- Processor Option
- AI Performance (TOPS)
- Reserved for Customization