KBox A-150-WKL-H8
Powerful BoxPC AI Platform with Hailo-8™

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Industrial Computer for high-performance edge AI inference solutions based on best-in-class Hailo-8™ AI accelerator

▶ High-performance, compact and power-efficient AI Box PC solution
▶ 8th gen Intel® Core™ i or Celeron® processor & Hailo-8™ AI accelerator
▶ Software compatible to common AI tools
▶ Fully integrated runtime system

POSSIBILITIES START HERE

kontron
S&T Group

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The Kontron KBox A-150-WKL-AI-H8 is based on the powerful 8th generation Intel® Core™ i processors e.g. 8365UE and the best-in-class Hailo-8™ AI accelerator. The advanced Hailo-8™ AI processor, performing at 26 tera-operations per second (TOPS) at a typical power consumption of less than 2.5 watts, enables edge devices to run at performance levels previously only possible in the cloud. The small and power-efficient solution allows easy integration into machines and controls over a wide temperature range. Due to the pre-installed software and compatibility with applications around Google TensorFlow, AI based vision applications can be realized easily with short time to market. The platform allows for viability in gateway or control tasks through numerous interfaces, enriched with simultaneous AI inference tasks. Hailo's developer zone includes numerous pre-trained neural networks ("model zoo"), a bit–accurate simulator and performance tool, a dataflow compiler, and the Hailo "Tappas" high performance application toolkit, enabling the highly efficient implementation of innovative AI solutions at reduced time-to-market and engineering costs.

▶ TECHNICAL INFORMATION

PROCESSOR	Intel® Core™ 8th generation i5-8365UE
AI ACCELERATOR	Hailo-8™
MEMORY	DDR4, up to 64 GByte RAM
STORAGE	Up to 512 GByte SSD
USB	2x USB 3.0, 1x USB 2.0 internal, 1x USB OTG internal
ETHERNET	2x 10/100/1000 Gigabit Ethernet
INTERFACES	2x DisplayPort 4x USB 3.1 Gen2 2x 10/100/1000 MBits/s Ethernet with IEEE1588 support 2x RS232/422/485
OPTIONAL INTERFACES	WIFI, CAN Bus
SECURITY	TPM 2.0
POWER	24 V DC (9..30 V DC)
FORM FACTOR	Steel housing, 58 x 180 x 134 mm, DIN Rail mounting
SOFTWARE	Linux image
AI SOFTWARE	Tensorflow (ONNX) compatible by using the Hailo AI SDK Toolchain

▶ GLOBAL HEADQUARTERS

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