



Hailo-10H AI Accelerator

**Immersive generative AI experience
on the edge**



Key Features & Benefits

High-performance processing of vision and generative AI models	First to market AI accelerator with generative AI capabilities	Industrial & Automotive grades, supporting: <ul style="list-style-type: none">→ Industrial: -40°C to 85°C→ Automotive: -40°C to 105°C
40 20 TOPS (INT4 8)	Second generation of Hailo's market leading AI accelerator	Supporting LPDDR4/4X
Best-in-class power efficiency; Consumes 2.5W (typical)	Robust and mature software suite, supported by the world's largest edge AI community	

Always On - AI on the Edge

Local AI processing enables:



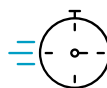
Cost Efficiency

- Reduce bandwidth consumption
- No paid subscription to cloud-base AI tools



Availability

Continues access to essential applications, even in offline mode



Responsiveness

Low latency and enhanced user experience



Privacy

No transmission of personal and business-sensitive data to cloud

Hailo-10H Offering

Chip On Board (COB)



Hailo-10H

Modules

Enable fast time to market & easy hardware integration

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M.2 2242



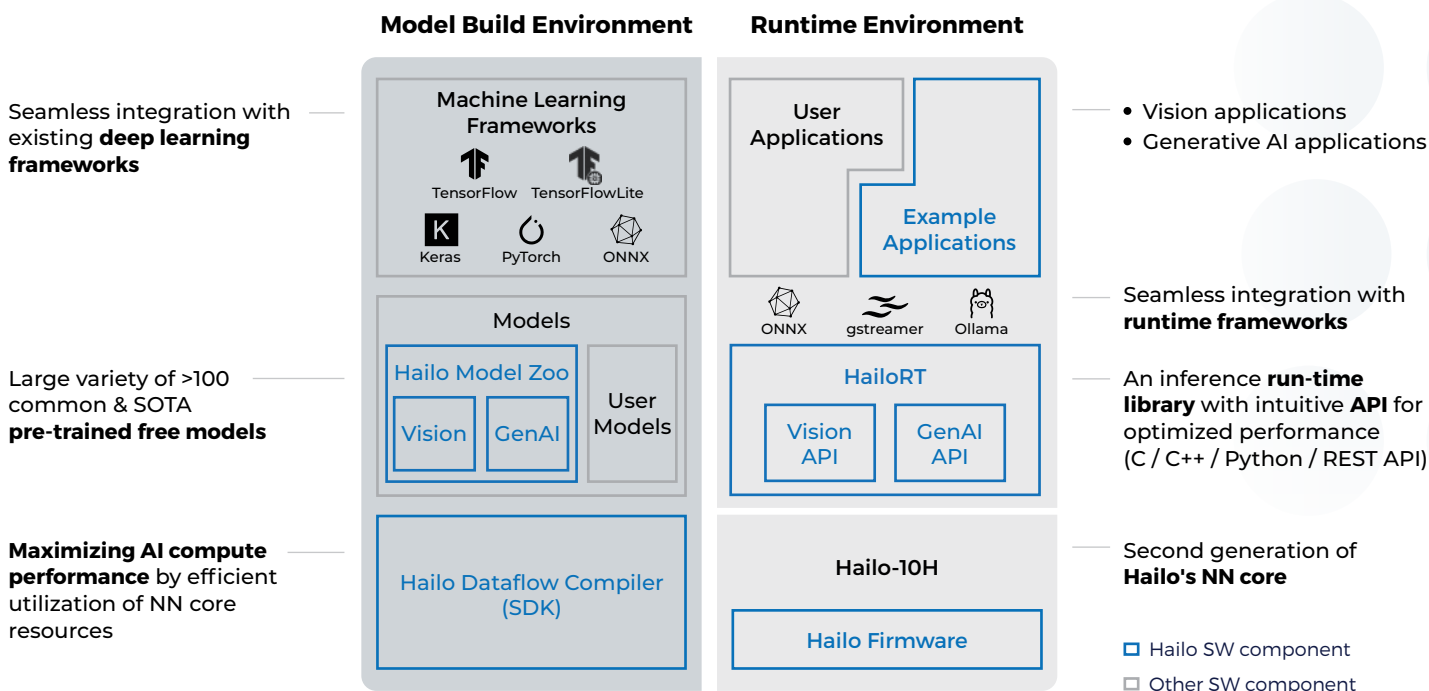
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Hailo-10H Neural Core Architecture

Proprietary, powerful and scalable structure-driven dataflow architecture that takes advantage of the core properties of neural networks. It enables edge devices to run deep learning applications at full scale more cost-effectively and power-efficiently than any other solution in the market.

Comprehensive Software Suite

AI software suite which seamlessly integrates with existing deep learning development frameworks to allow smooth and easy integration in existing development ecosystems. The Hailo AI software suite includes:



Neural Network Models & Application Support

AI frameworks: TensorFlow, TensorFlow Lite, Keras, PyTorch & ONNX

Host Architectures: x86, ARM

OSs: Linux, Windows, Android

Comprehensive Dataflow Compiler enables customer to port their neural network models easily & quickly

System Usage

Co-processor connected to the various types of host processors via PCIe and USB



Part Number | Hailo-10H Industrial: HNC2HB111SM

www.hailo.ai

Starter Kit M.2 module with Hailo-10H for development & prototyping of edge AI applications

[Product Inquiry](#)

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