

Hailo-8™ M.2 Starter Kit

Enables development and prototyping edge AI applications and specifically, video analytics solutions.



Key Features and Benefits

- Best-in-class real-time performance utilizing the Hailo-8™ 26 TOPS compute power
- Industry-leading power efficiency
- Highest cost-efficiency (TOPS/\$) compared with existing solutions
- Robust software suite supports state-of-the-art deep learning models and applications out-of-the-box
- Enable real-time, low latency and high-efficiency AI inferencing on edge devices
- Enable fast and cost-effective prototype development

Specifications

- **Form factor:**
 - M.2 key M, key B+M, key A+E
- **Dimensions:**
 - Key M, B+M, 22 x 42 mm with breakable extensions to 22 x 60 mm and 22 x 80 mm
 - Key A+E, 22 x 30 mm
- **Interface:**
 - PCIe Gen-3.0, 2-lanes (Key B+M, A+E), 4-lanes (Key M)
- **Supported host architectures:**
 - x86, ARM
- **Supported OSs:**
 - Linux, Windows
- **Supported AI frameworks:**
 - TensorFlow, ONNX and PyTorch

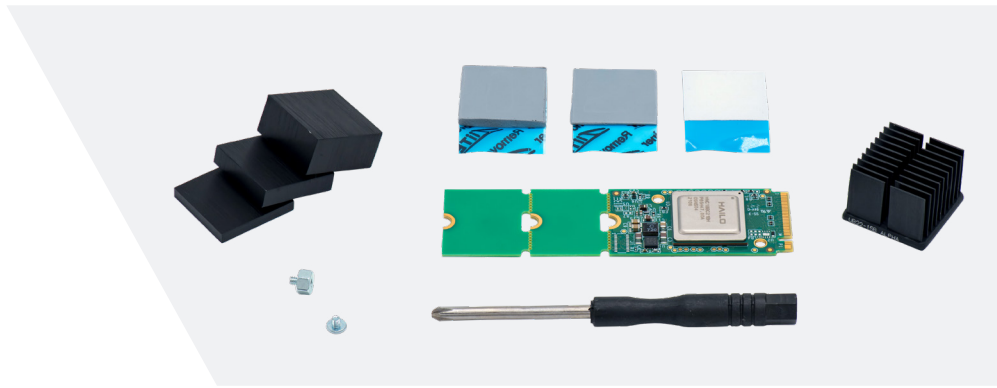


Hailo-8™ M.2 Module

Compatible with the M.2 form factor, the Hailo-8™ starter kit M.2 module can be plugged into an existing edge device with an available M.2 socket to execute deep learning inferencing in real-time for a broad range of market segments.

What's in the Box

- 1 M.2 module
(key M, key B+M or key A+E)
- Thermal management kit
includes metal cubes, thermal pads and thermal adhesive tape
- Screw and screwdriver



Hailo 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:

- Hailo Dataflow Compiler, a software toolset for optimization and translation of trained models to Hailo-8™ format
- HailoRT, production-grade, precompiled, runtime software for the host processor
- Model Zoo, a variety of common and state-of-the-art pre-trained models and tasks in TensorFlow and ONNX
- Hailo TAPPAS, a high-performance pre-trained AI applications and tasks templates with production-grade pipeline

Featuring the Hailo-8™ AI Processor

The Hailo-8™ AI processor, featuring up to 26 tera operations per second (TOPS), significantly outperforms all other edge AI processors. Its area and power efficiency are far superior to other leading solutions by a considerable order of magnitude – at a size smaller than a penny even including the required memory.

With unique, powerful and scalable architecture that takes advantage of the core properties of neural networks, edge devices can now run deep learning applications at full scale more efficiently, effectively, and sustainably than traditional solutions, while significantly lowering costs.

Ordering Information

Contact us for ordering Hailo-8™ M.2 starter kit or module here