

## Hailo-8™ M.2 starter kit

The Hailo M.2 starter kit for AI applications delivers data center-class performance to edge devices with out-of-the-box passive thermal solutions for most system form factors

### Hailo-8™ M.2 Module

An AI accelerator module based on the 26 tera-operations per second (TOPS) Hailo-8™ processor.

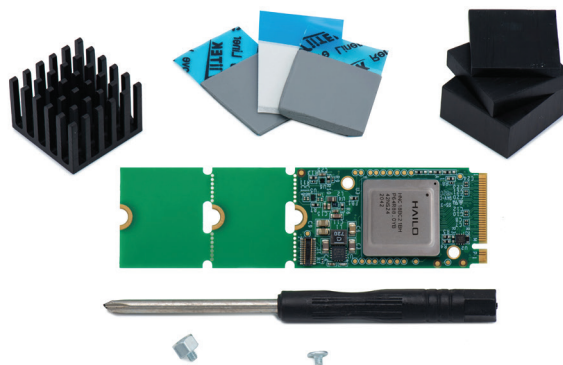
Compatible with the NGFF M.2 form factor, the M.2 module can be plugged into an existing edge device with an M.2 socket to execute deep learning inferencing in real-time, utilizing low power for a broad range of market segments.

### Neural Network Application or Models

- Form factor: NGFF M.2 key M, key B+M, key A+E
- Dimensions:
  - M, B+M key: 22 x 42 mm with breakable extensions to 22 x 60 mm and 22 x 80 mm
  - A+E key: 22 x 30 mm
- Interface: PCIe Gen-3.0, 2-lanes (4-lanes in M key)
- Supported host architecture: x86 or Arm based (e.g. x86\_64, aarch64)
- Supported OS: Linux (e.g. Ubuntu, Yocto)
- Supported AI frameworks: TensorFlow, ONNX and PyTorch

### KEY Features and Benefits

- Powered by 26 TOPS Hailo-8™ AI Processor with best-in-class power efficiency
- Enabling real-time, low latency and high-efficiency AI inferencing on edge devices
- Fast time to market using standard form factor module
- Leveraging Hailo's comprehensive Dataflow Compiler and its support for standard AI frameworks, customers can easily and quickly port their neural network model



### Industries



Smart City



Smart Home



Smart Retail



Industry 4.0

### Ordering Information

Contact us for ordering Hailo-8™ M.2 starter kit or module [here](#)

## 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 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 an 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.

## What's in the box

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

Please read the [M.2 thermal module guidelines](#) to select the best thermal solution for your system.

## Hailo Dataflow Compiler

Hailo devices are accompanied by a comprehensive AI SDK tool chain which seamlessly integrates with existing deep learning development frameworks to allow smooth and easy integration in existing development ecosystems.

