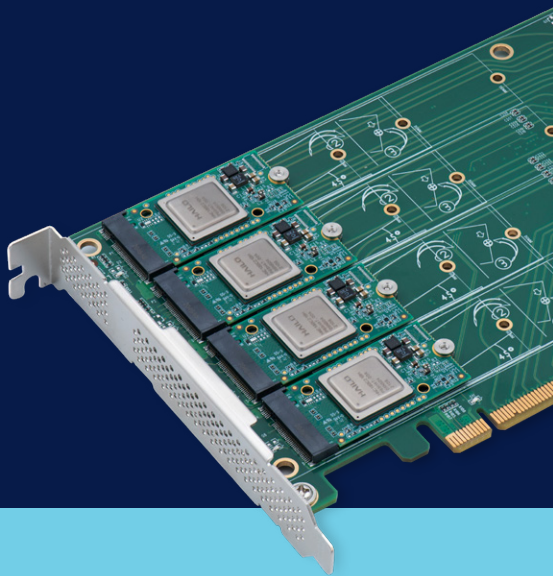


# HAILO

Empowering Intelligence

## Hailo-8™ Century Evaluation Platform

PCIe card with multiple Hailo-8™ AI processors for development and prototyping high-performance, high-efficiency edge AI video analytics systems



### Hailo-8™ Century

To support development of high-performance edge video analytics systems across industry verticals, the Hailo industry-leading Hailo-8™ AI processor is now available in a multi-chip configuration called Hailo-8™ Century.

The Hailo-8™ Century is supported by the robust Hailo software toolchain, a suite of dedicated AI developer tools and state-of-the-art NN models in high resolution.

### Target Products

High-performance and efficiency real-time AI video analytics solutions, such as:

- | Video analytics servers & NVRs
- | High-throughput edge AI boxes
- | Industrial gateways & PCs
- | Industrial robots



Smart City



Automotive



Smart Retail



Industry 4.0

### Key Features and Benefits

- Standard PCIe form factor enters slot with no auxiliary power requirement
- 16-lane PCIe Gen 3 interface
- Include 4x Hailo-8™ M.2 22X42 mm modules
- Best-in-class AI acceleration card, delivers high performance up to 104 TOPS of AI performance at a typical power consumption of 25W and lower cost
- Support advanced features such
  - Intelligent Video Analytics / VMS
  - Local aggregation points in Smart retail & Surveillance
  - Optical Inspection Systems
- Enabled by Hailo's robust software toolchain supporting multiple devices
- Dimensions: 111 mm x 210mm



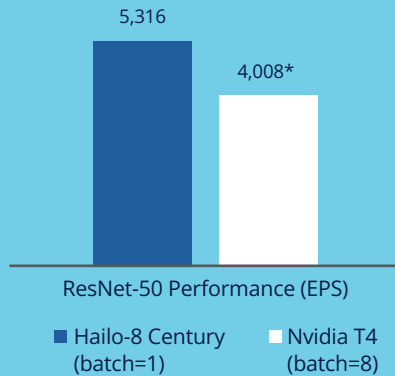
### Ordering information

Purchase the Hailo-8™ Century Evaluation Platform [here](#)



## Hailo-8™ Century Superior Performance

ResNet-50 Performance -  
Hailo-8™ Century vs. Nvidia T4



Data collected on January 2022

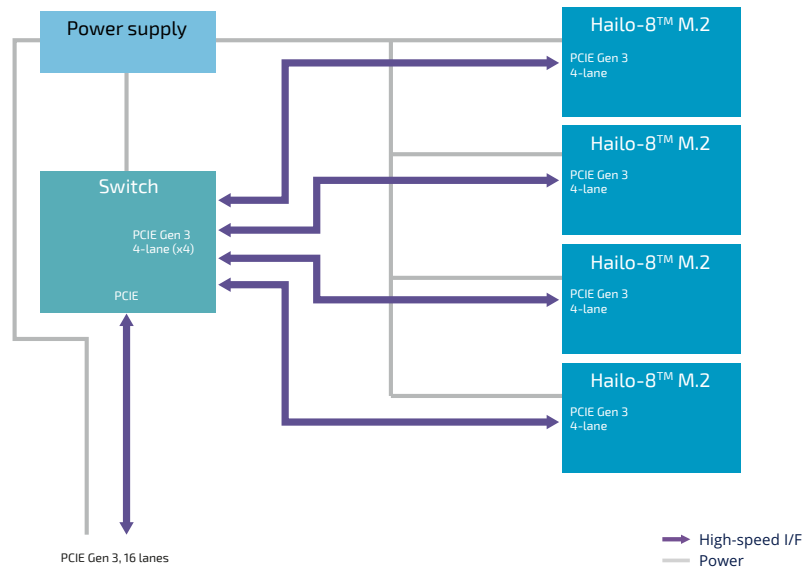
Hailo Multi-Chip Evaluation Platform performance figures are measured at room temperature for INT8

Nvidia T4 figures are for INT8, batch=8. Source: <https://developer.nvidia.com/deep-learning-performance-training-inference>

## Hailo-8™ Century Reference System

Hailo-8™ Century is also available as reference design for our partners to design their PCIe AI Accelerator cards with up to 6 Hailo-8™ AI Processors

## Block Diagram



## Featuring Hailo-8™ AI Processor

The Hailo-8™ AI processor offers up to 26 TOPS, significantly outperforming all other edge AI processors. The AI processor's area and power efficiency are far superior to other leading solutions by an order of magnitude.

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.

