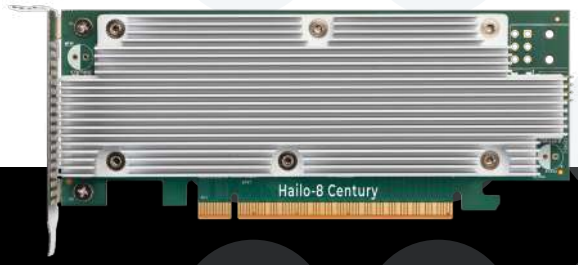
HAILO



Hailo-8 Century
High Performance PCIe Cards

Delivering data center class performance to edge devices, with up to 208 TOPS

The high-performance Century PCIe cards enable deep neural network inferencing in real-time with low power consumption for a broad range of market segments and applications on any platform with a 8/16-lane PCIe slot.

Key Features & Benefits

Delivering **52-208 TOPS** (Tera Operations Per Second)	Best-in-class power efficiency, at **400 FPS/W** in ResNet50	Enabling real-time, low latency, and high-efficiency concurrent processing of complex pipelines with multi-streams and multi-models
Supporting industrial temperature range of **-40°C to 85°C**	Highest cost-efficiency, **starting at $249**	Robust software suite supports state-of-the-art deep learning models & applications out-of-the-box

Technical Specifications*





	Small form factor				Wide host compatibility				
Model number	0802S	0802	0803	0804	0804S	0805S	0806S	0807S	0808S
# of TOPS	**52**	**52**	**78**	**104**	**104**	**130**	**156**	**182**	**208**
Form factor	single slot, HHHL				single slot, HHFL				
Interface	PCIe x8 slot	PCIe x16 slot with bifurcation			PCIe x16 slot				
Dimensions	68.9 x 130 mm	68.9 × 167.65 mm			68.9 × 254 mm				
Max thermal design power (TDP)	15W-45W				45-75W				
Supported OS	Linux, Windows 10/11								
Supported AI frameworks	Tensorflow, Tensorflow Lite, Keras, Pytorch, & ONNX								
Analytics streams (Basic; Advanced)	32; 16	32; 16	48; 24	64; 32	64; 32	80; 40	96; 48	112; 56	128; 64
Availability	Available				Available by Hailo's partners				

** Products are shipped with a matching heatsink attached*

Comprehensive Software Suite

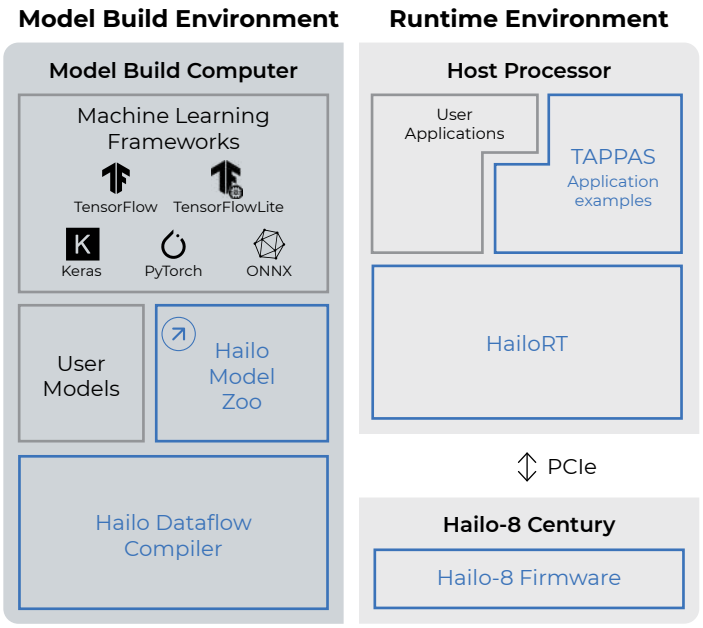
Seamlessly integrates with existing deep learning development frameworks to allow smooth and easy incorporation into existing development ecosystems.

Model Zoo

Over 100 of common & state-of-the-art pre-trained and retrainable models in TensorFlow & ONNX

Hailo Dataflow Compiler

A software toolset for optimization & translation of trained models to Hailo-8 format



TAPPAS

A set of full application examples, implementing pipeline elements and pre-trained AI tasks

HailoRT

Production-grade, precompiled, runtime software for the host processor



Hailo Ecosystem

Hailo collaborates with leading partners to seamlessly integrate their products with ours, creating easy-to-use, dependable, and highquality solutions that adhere to the industry's most rigorous standards.
Our extensive network of trusted partners covers various regions and market segments, delivering innovative solutions to our customers.

To view our extensive network click here

Part Numbers

0802S	HCN0802I1HS Starter Kit: HCN0802I1HSXA
0802	HCN0802I1HL Starter Kit: HCN0802I1HLXA
0803	HCN0803I1HL Starter Kit: HCN0803I1HLXA
0804	HCN0804I1HL Starter Kit: HCN0804I1HLXA

Click here for more information & product inquiry

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