

### Run AI Your Way – Local and Secure

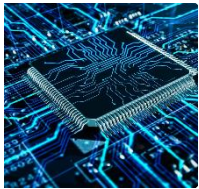
## Features



### HAILO

Chipset **Hailo-10H**

Delivers up to 40 TOPS(INT4)  
at 2.5W (typical), support both  
Vision AI and generative AI.



Host Architecture  
**X86, ARM**



Memory  
**LPDDR4 8GB**

With dedicated memory, empowers  
host systems that lack AI  
capabilities to run AI tools effectively.



Supported Models  
**More Than 150**

Provides 150+ pre-trained models via  
the online model zoo including vision  
AI and generative AI models.



### Supported Operating System



**Windows 11**



**Linux**

**Android**



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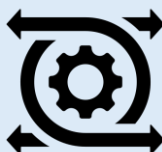
## Advantages

### Performance Boost & AI Enablement



- Unlock AI Power
- Beyond Integrated VGA Cards
- From “Can’t Do” to “Can Do”

### Flexibility & Portability



- Plug & Play Anywhere
- AI To-Go
- Ease to Deployed

### Real-time On-device Inference



- AI Without Cloud
- Low Latency, High Privacy
- Always-On Local AI

### Cost-Effectiveness



- Smart Upgrade
- Extend After Market Device Lifespan
- Affordable AI Access

## Software Architecture

Runtime Frameworks



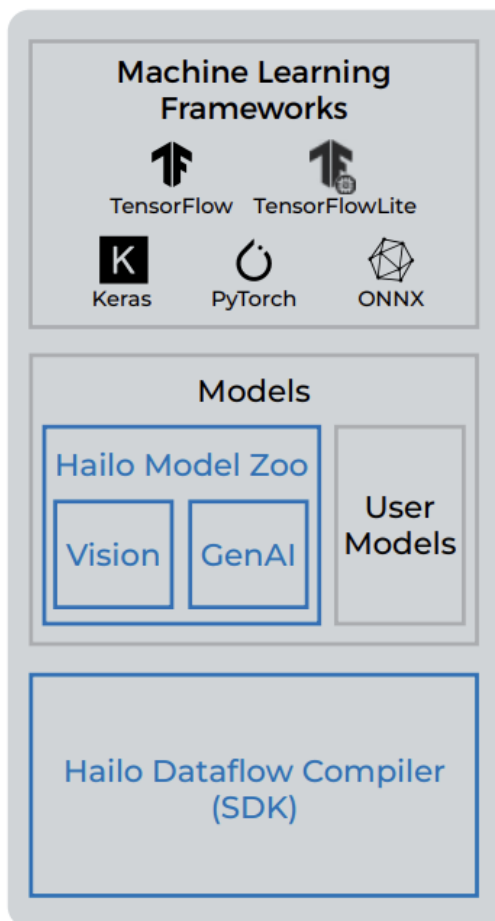
AI Frameworks



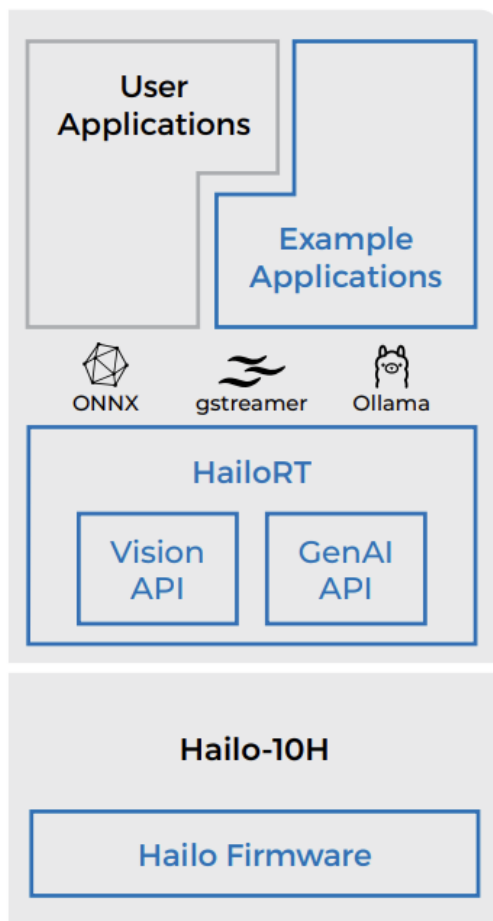
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## Software Suite

### Model Build Environment



### Runtime Environment



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**Benchmarks**

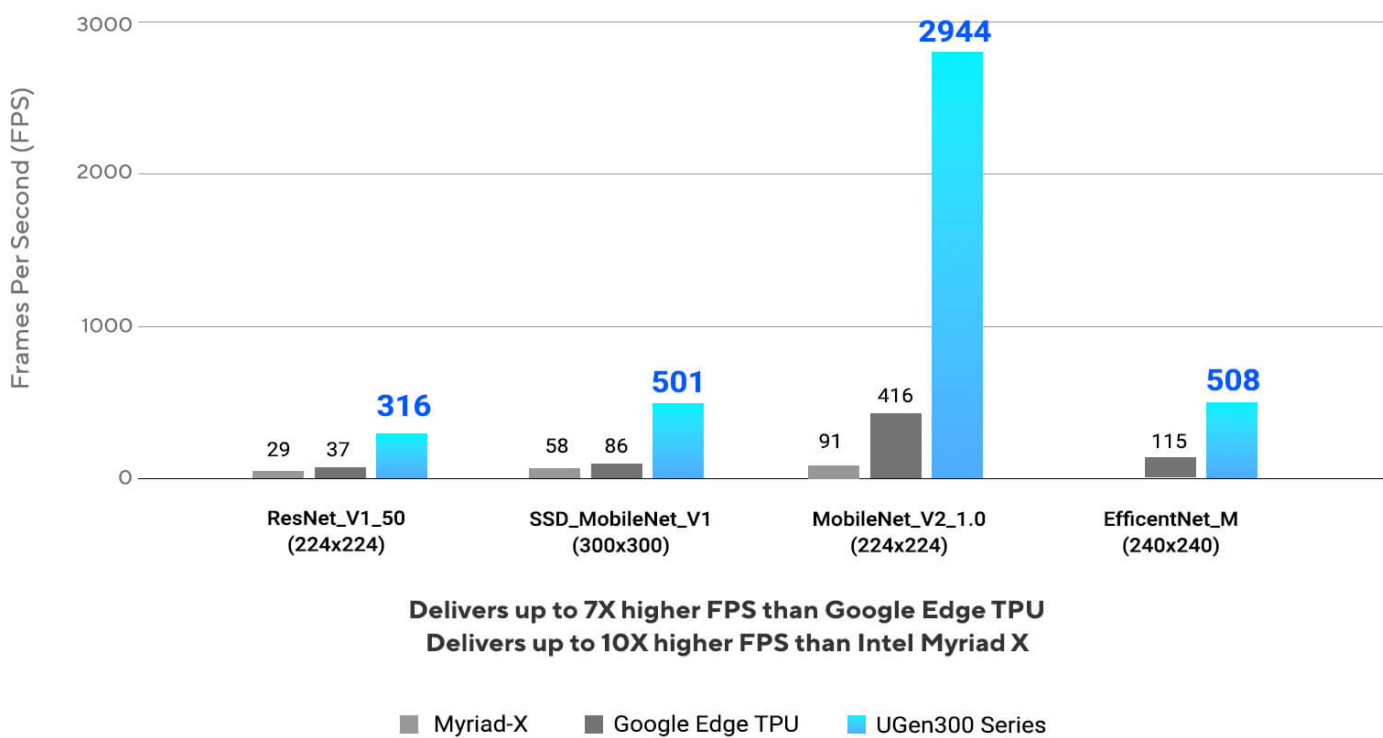
Models	Load Time In Sec	TPS	Time To First Token In Sec	Text Time To First Token In Sec	Image Time To First Token In Sec
Whisper-Small	11.92	8.71			
Whisper-Base	3.89	23.36			
Qwen2-1.5B-Instruct-Function-Calling-v1	7.91	6.23	0.4		
Llama3.2-1B-Instruct	3.839	8.48	0.49		
Qwen2-1.5B-Instruct	3.79	8.08	0.32		
Qwen2.5-1.5B-Instruct	5.05	6.82	0.37		
Qwen2.5-Coder-1.5B-Instruct	4.76	8.07	0.32		
DeepSeek-R1-Distill-Qwen-1.5B	4.79	6.98	0.74		
Qwen2-VL-2B-Instruct	6.226	6.73	0.97	0.32	0.93

- All information sourced from Hailo [website](#) (retrieved 02/11/26)

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### Benchmarks

Leading Edge AI Performance Across Popular Vision Models  
Inference Performance Comparison of Edge AI Accelerators (FPS)



- UGen300 Series are based on Hailo Github (retrieved 02/11/26)
- Intel Myriad X figures sourced from OpenVINO document (retrieved 02/11/26 for version 2021.4)
- Google Edge TPU figures sourced from Coral website (retrieved 02/11/26)
- UGen300 Series and Edge TPU figures are for batch=1 and INT8, while Myriad X is batch=1 and FP16

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## Specifications

<b>Product Name</b>	UGen300 USB AI Accelerator
<b>Model name</b>	UGen300-USB-8G
<b>Chipset</b>	Hailo-10H
<b>AI Performance</b>	40 TOPS @ INT4   20 TOPS @ INT8
<b>Interface</b>	Compatible with USB3.1 Gen2 Type-C (10Gbps)
<b>Memory</b>	LPDDR4 8GB
<b>Memory Speed</b>	4266 MT/s
<b>Power Consumption</b>	2.5 Watts (Typical)
<b>Supported OS</b>	Windows, Linux, Android
<b>Supported Host Architectures</b>	x86, ARM
<b>Supported AI Framework</b>	Keras, TensorFlow, TensorFlowLite, PyTorch, ONNX
<b>Supported AI Models</b>	Vision Models (> 150+), GenAI Models (LLM, VLM, Whisper)
<b>Package Contents</b>	1 x Quick Start Guide 1 x Type-C to Type-C cable, white, 20 cm
<b>Operating Temperature</b>	0°C ~ +40°C
<b>Operating Humidity, RH</b>	20% ~ 85%, non-condensing
<b>Storage &amp; Transportation Humidity, RH</b>	10% ~ 95%, non-condensing
<b>Continuous Operating Capability</b>	> 72 hours (under normal operating conditions)
<b>Dimension</b>	105 mm x 50 mm x 18 mm 4.1 inch x 2.0 inch x 0.7 inch
<b>Weight</b>	145 g
<b>Note</b>	
<b>Regulation</b>	<ul style="list-style-type: none"> <li>■ S-AT2-001 GreenASUS Hazardous Substances Free(HSF) Technical Standard(Global RoHs,China RoHS,EU REACH,J-MOSS)</li> <li>■ WEEE</li> </ul>
<b>Certifications</b>	<ul style="list-style-type: none"> <li>■ FCC ■ CE ■ RCM ■ BSMI ■ VCCI ■ UKCA</li> </ul>
<b>Resources</b>	<a href="https://community.hailo.ai">https://community.hailo.ai</a> <a href="https://hailo.ai/developer-zone">https://hailo.ai/developer-zone</a>

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### Photos



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