



Hailo-8L M.2

Hailo-8L AI Accelerator

Features

- 13 Tera-Operations Per Second (TOPS), typical power consumption 1.5W
- Enabling real-time, low latency, high-efficiency AI inferencing on edge devices
- Scalable: Enabling simultaneous processing of multi-streams & multi-models
- Easy hardware integration; Does not require external memory
- Robust software suite supports state-of-the-art deep learning models & applications out-of-the-box
- Overload Protection for Digital Output
- Industrial grade, supporting -40°C to +85 °C



Introduction

The Hailo-8L Entry-Level AI Accelerator, featuring up to 13 tera-operations per second (TOPS), is designed to support entry level products requiring limited AI capacity or lower performance. It is competitively priced and features superior area and power efficiency compared to category leading alternatives. The Hailo-8L AI accelerator boasts exceptional low-latency, high-efficiency processing, capable of handling complex pipelines with multiple real-time streams and concurrent processing of multiple models and AI tasks. It is compatible with the Hailo-8 field-proven and comprehensive software suite for seamless future upgrade to higher AI capacities.

Specifications

Software	
OS	Linux, Windows
OS Support	X86, ARM
AI Accelerator (Optional)	
AI frameworks	TensorFlow, TensorFlow Lite, Keras, PyTorch & ONNX
TOPS	13
Hardware	
Connector	±4 kV Contact for each Terminal, ±8 kV Air for Random Point
Interface	PCIe-3.0, 2-lanes
Power	
Power Consumption	1.5 W
Mechanical	
Dimensions (W x L x H)	22 mm x 42 mm, 22 mm x 60 mm, 22 mm x 80 mm
Environment	
Operating Temperature	-40 ~ +85 °C
Humidity	10 ~ 90 % RH, Non-condensing

Ordering Information

Hailo-8L M.2 CR	Hailo-8L AI Accelerator (RoHS)
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