






Deploy your impulse

You can deploy your impulse to any device. This makes the model run without an internet connection, minimizes latency, and runs with minimal power consumption. [Read more](#).










Create library

Turn your impulse into optimized source code that you can run on any device.

 C++ library	 Arduino library	 Cube.MX CMSIS-PACK
 WebAssembly	 TensorRT library	

Build firmware

Or get a ready-to-go binary for your development board that includes your impulse.

 ST IoT Discovery Kit	 Arduino Nano 33 BLE Sense	 Eta Compute ECM3532 AI Sensor
 Eta Compute ECM3532 AI Vision	 SiLabs Thunderboard Sense 2	 Himax WE-I Plus
 Nordic nRF52840 DK + IKS02A1	 Nordic nRF5340 DK + IKS02A1	 Linux boards

Select optimizations *(optional)*

Model optimizations can increase on-device performance but may reduce accuracy. Click below to analyze optimizations and see the recommended choices for your target. Or, just click Build to use the currently selected options.



Enable EON™ Compiler

Same accuracy, up to 50% less memory. Open source.



Available optimizations for NN Classifier



Quantized (int8) ★ <div>Currently selected</div> <p>This optimization is recommended for best performance.</p>	RAM USAGE 7.1K	LATENCY 15 ms	CONFUSION MATRIX
	ROM USAGE 44.9K	ACCURACY 61.69%	
Unoptimized (float32) <div>Click to select</div>	RAM USAGE 11.1K	LATENCY 71 ms	CONFUSION MATRIX
	ROM USAGE 68.7K	ACCURACY 61.8%	

Estimate for Cortex-M4F 80MHz (ST IoT Discovery Kit)

Build



Build output

Creating job... OK (ID: 744508)

Writing templates OK

Scheduling job in cluster...

Job started

Compiling EON model...

Compiling EON model OK

Removing clutter...

Removing clutter OK

Copying output...

Copying output OK

Job started

Creating archive...

Creating archive OK

Job completed

