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INDUSTRIAL PRODUCT DATASHEET

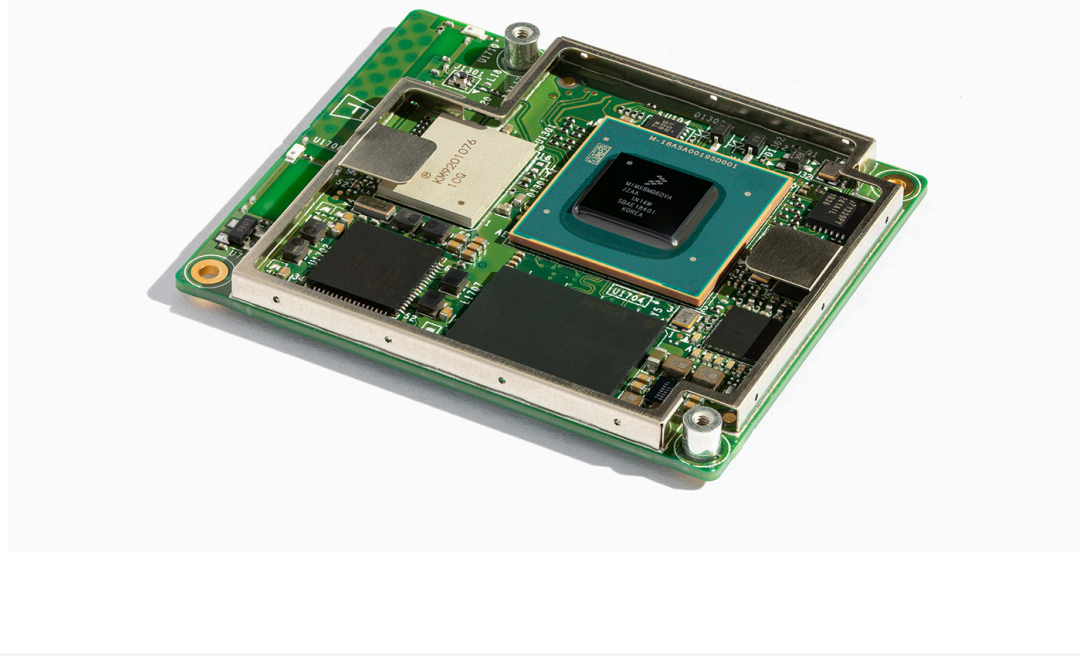
Coral System-on-Module (SoM) - 4GB RAM Version

The Coral System-on-Module (SoM) is a fully-integrated system that helps you build embedded devices that demand fast machine learning (ML) inferencing.

SKU	UPDATED	PRICE
102110460	2026-11-11 08:32:27	$134.99(Excl. VAT)



Overview



The Coral System-on-Module (SoM) is a fully-integrated system that helps you build embedded devices that demand fast machine learning (ML) inferencing. It contains NXP's iMX 8M system-on-chip (SoC), eMMC memory, LPDDR4 RAM, Wi-Fi, and Bluetooth, but its unique power comes from Google's Edge TPU coprocessor for high-speed machine learning inferencing.

Key Features

01 **Provides a complete system**

The Coral SoM is a fully-integrated Linux system that includes NXP's iMX8M system-on-chip (SoC), eMMC memory, LPDDR4 RAM, Wi-Fi, and Bluetooth, and the Edge TPU coprocessor for ML acceleration. It runs a derivative of Debian Linux we call Mendel.

02 **Performs high-speed ML inferencing**

The onboard Edge TPU coprocessor is capable of performing 4 trillion operations (tera-operations) per second (TOPS), using 0.5 watts for each TOPS (2 TOPS per watt). For example, it can execute state-of-the-art mobile vision models such as MobileNet v2 at 400 FPS, in a power-efficient manner.

03 **Integrates with your custom hardware**

The SoM connects to your own baseboard hardware with three 100-pin connectors.

04 **Supports TensorFlow Lite**

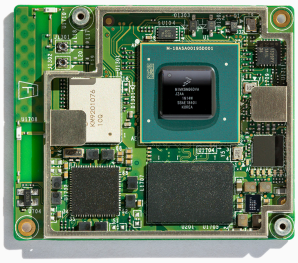
No need to build models from the ground up. TensorFlow Lite models can be compiled to run on the Edge TPU.

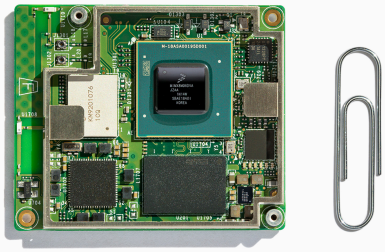
05 **Supports AutoML Vision Edge**

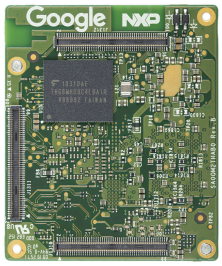
Easily build and deploy fast, high-accuracy custom image classification models to your device with AutoML Vision Edge.

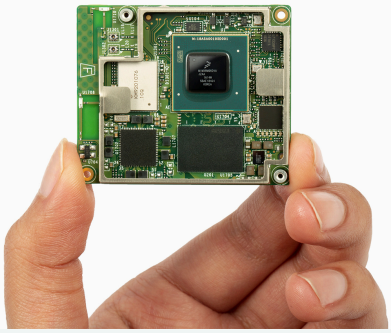
Product Gallery

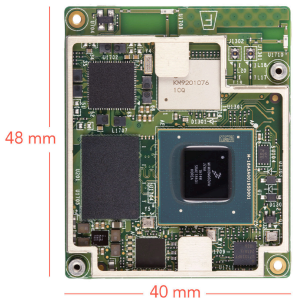












Resource Links

- https://www.seeedstudio.com/Coral-4GB-SOM-Version-p-4685.html
- System-on-Module datasheet
- Get started with the System-on-Module
- Model compatibility on the Edge TPU
- Edge TPU inferencing overview
- Run multiple models with multiple Edge TPUs
- Pipeline a model with multiple Edge TPUs
- Edge TPU compiler
- Pre-compiled models
- All software downloads

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com