

MARK - Make A Robot Kit

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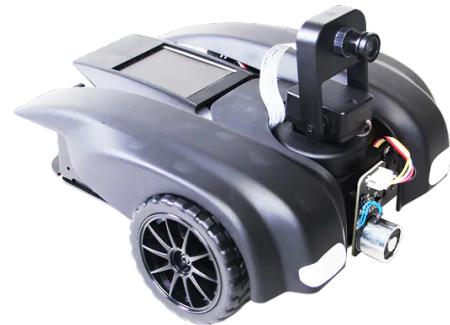
Product Overview

08-17-2022

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

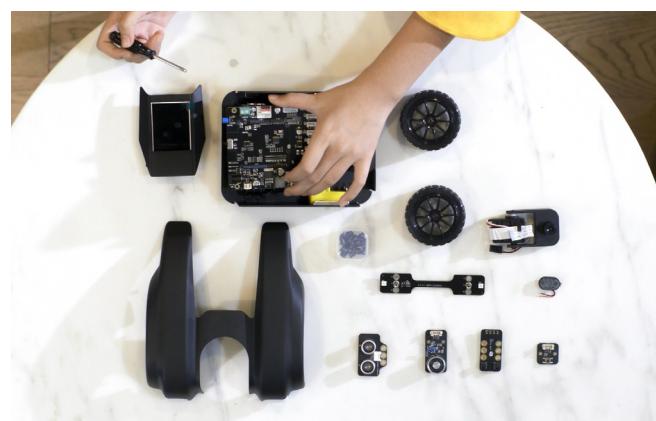
Seeed Studio Make A Robot Kit (MARK) is designed to learn coding, robotics, and Artificial Intelligence (AI) through various fun projects. This kit is designed around a Kendryte K210-based machine vision module and an Arduino-compatible baseboard. The MARK is customizable, extendable, open-source, and supports Micropython for coding. This kit comes with disassembled parts that can be built with the help of tools for hands-on construction experience. The MARK features Markduino, an interface board that offers plug-and-play for compatible Grove sensors.



The MARK AI robot kit helps users to have the hands-on experience of constructing and assembling an AI robot car and implementing artificial intelligence technologies such as image recognition, object detection, computer vision, and automated self-driving controls.

Features

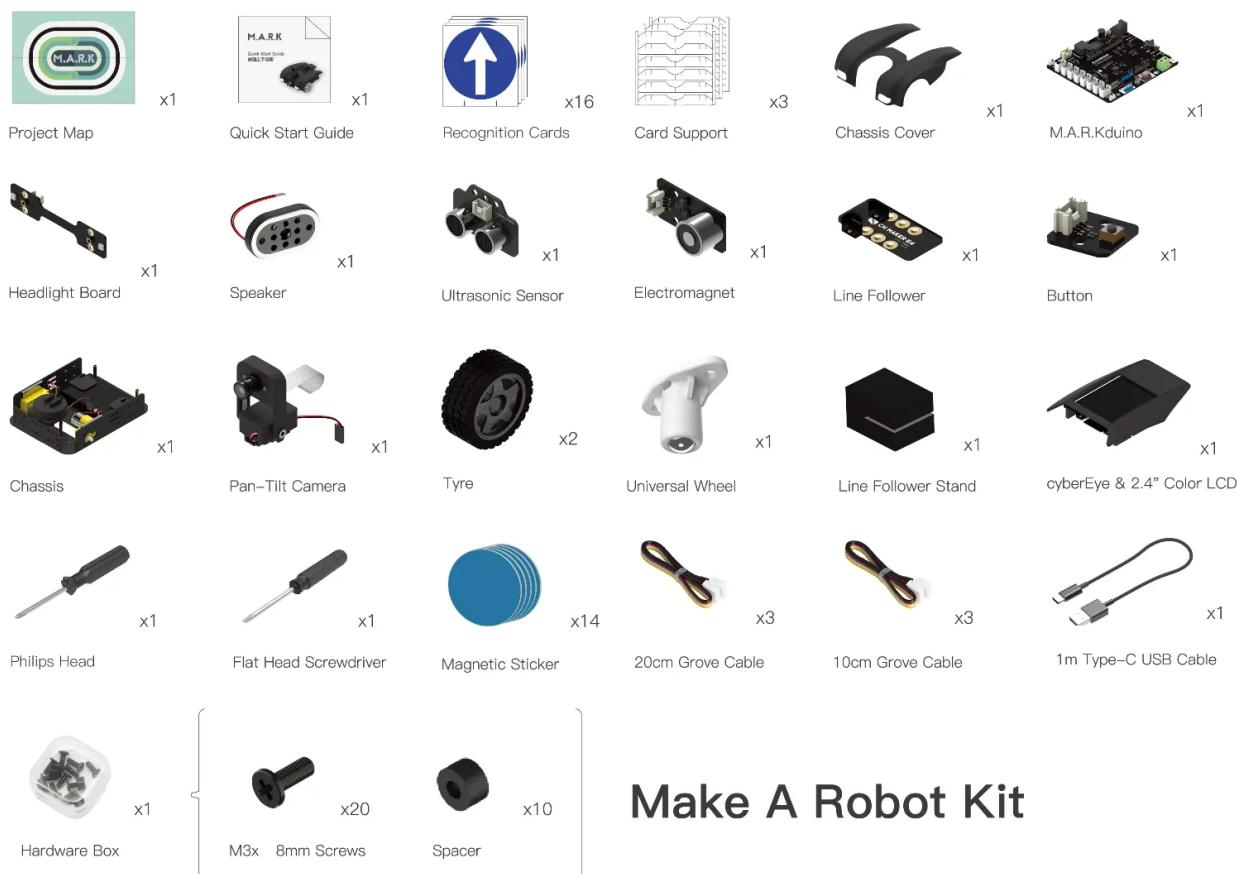
- Make a self-driving car
- Interactive and engaging through AI recognition
- On-device model training
- Hands-on from construction to the coding
- Supports Micropython
- Customizable, extendable, and open-source



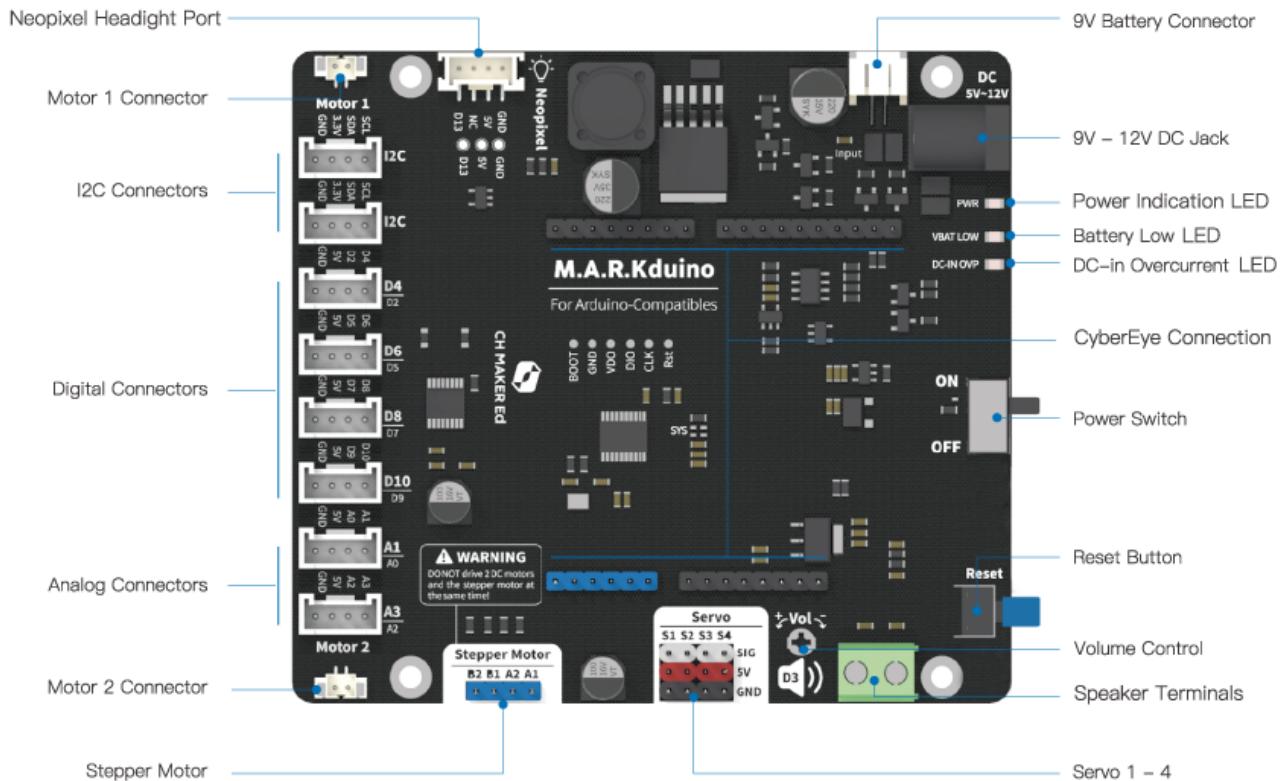
Specifications

- 6 x AA batteries for power supply
- USB-C™ port for data connection
- 2.4" color LCD display
- Micro-SD slot
- Wi-Fi 2.4G, Bluetooth 4.2 connectivity via onboard ESP32
- RISC-V dual-core 64-bit CPU with FPU
- CNN hardware accelerator 0.25 TOPS @ 0.3W, 400MHz; overclock to 800MHz, 0.5 TOPS KPU
- Static RAM 8MB (6MB SRAM, 2MB AI SRAM)
- QVGA@60fps VGA@30fps or overclocked 60fps image recognition

Kit Contents



Hardware Overview



Mouser Part Number

[View Part](#)

To learn more, visit <https://www.mouser.com/new/seeed-studio/seeed-studio-make-a-robot-kit/>