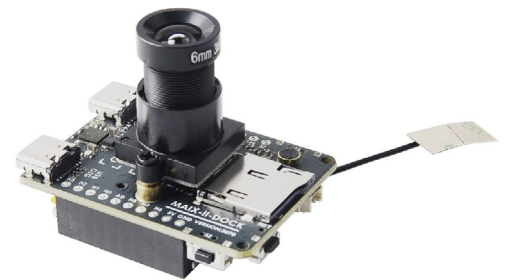# Sipeed MAIX-II Dock
114992604

Product Overview
08-24-2022
For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

Seeed Studio MAIX-II Dock kit (M2dock for short) is composed of MAIX-II core module and MAIX-II Dock baseboard. This module is an entry-level edge computing (built-in NPU) board that can run in a Linux environment. The MAIX-II uses a fast-pluggable NGFF 67pin gold finger design and is equipped with Allwinner V831 SoC. This module features rich peripherals for project expansion and powerful Allwinner V831 SoC with built-in NPU. The MAIX-II can be used in agriculture, smart home, educational, and medical industry applications.
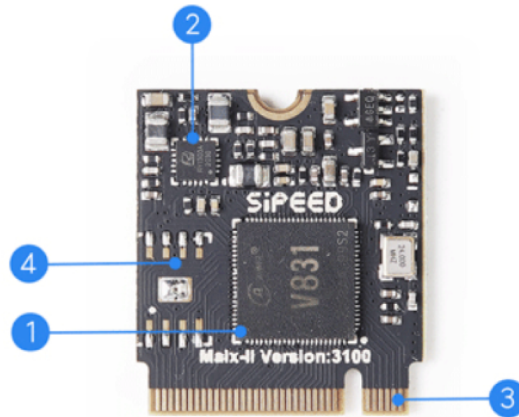
Features

- Powerful Allwinner V831 SoC with built-in NPU
- Ability to run a complete Linux environment
- Ability to run deep learning applications at the edge
- Rich peripherals for project expansion
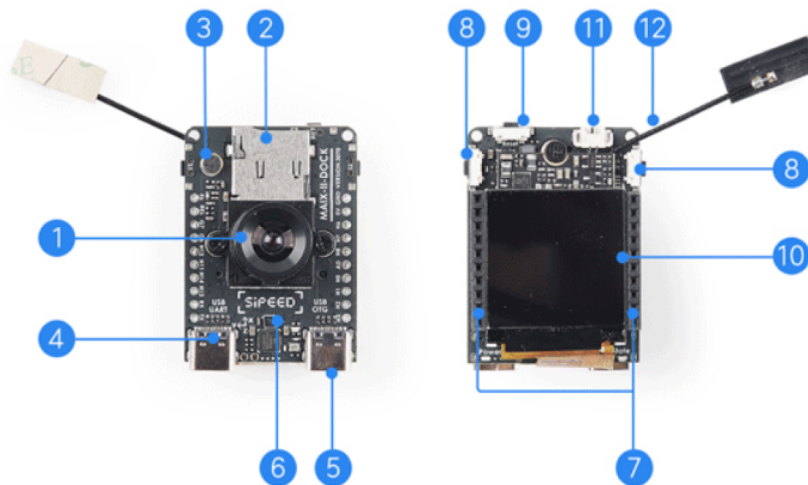
Applications

- Smart home:
    - Robot cleaners
    - Smart speakers
    - Electronic door locks
    - Home monitoring
- Medical industry:
    - Auxiliary diagnosis
    - Medical image recognition
- Intelligent industrial:
    - Industrial machinery
    - Intelligent sorting
    - Electrical equipment monitoring
- Educational:
    - Educational robots
    - Intelligent interactive platforms
    - Educational efficiency checks
- Agricultural:
    - Agricultural monitoring
    - Pest monitoring
    - Automatic control

MAIX-II Core Module Overview

① V831 CPU	② Power Supply IC	③ M.2 Interface
④ Reserved SPI Flash Pad		

MAIX-II Dock Development Board Kit Overview

① 200W Camera	② TF Card Slot	③ Microphone
④ USB UART	⑤ USB OTG	⑥ 3-Axis Accelerometer
⑦ 2.54mm IO Header	⑧ User Button	⑨ Reset Button
⑩ 1.3 Inch LCD	⑪ 1.25mm Speaker Interface	⑫ Wi-Fi Antenna

Mouser Part Number

To learn more, visit https://www.mouser.com/new/seeed-studio/seeed-sipeed-maix-II-dock/