Sipeed M1w Dock Suit K210 Development Board
110991188

Description

Seeed Studio Sipeed M1w Dock Suit K210 Development Board is a purpose-built module designed to run AI at the edge and called AIoT. This K210 development board delivers high-performance in a small physical and power footprint, enabling high-accuracy AI deployment at the edge. This development board features a 28nm process, dual-core RISC-V 64-bit IMAFDC, and an on-chip huge 8MB high-speed SRAM with a 400MHz frequency processor.
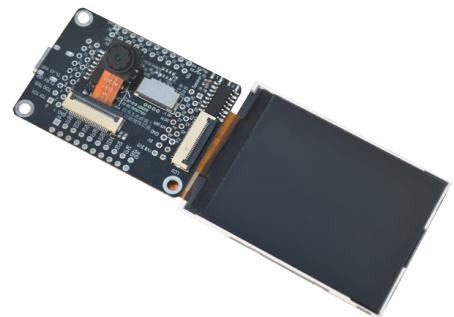
The Sipeed MAIX is similar to Google edge TPU but acts as a master controller, not an accelerator-like edge TPU that makes its cost and power less than the AP+edge TPU solution. The Maix module provides an end-to-end hardware + software infrastructure for facilitating the deployment of customers' AI-based solutions. Typical applications of the K210 development board includes predictive maintenance, machine vision, robotics, manufacturing, healthcare, retail, smart spaces, and transportation.

Features

- RISC-V core processor
- Powerful KPU K210 Neural Network Processor (NNP)
- Sipeed M1w dock suit platform
- High-performance
- Small footprint
- High accuracy
- Easily embeds to any IoT devices
- Easy to deploy AI solutions for the edge
- Low cost and low power than AP+edge TPU solution
- 60mm x 43mm x 5mm dimensions

Applications

- Industrial
- Predictive maintenance
- Anomaly detection
- Machine vision
- Robotics
- Voice recognition
- Healthcare
- Retail
- Smart spaces
- Transportation

MAix Module
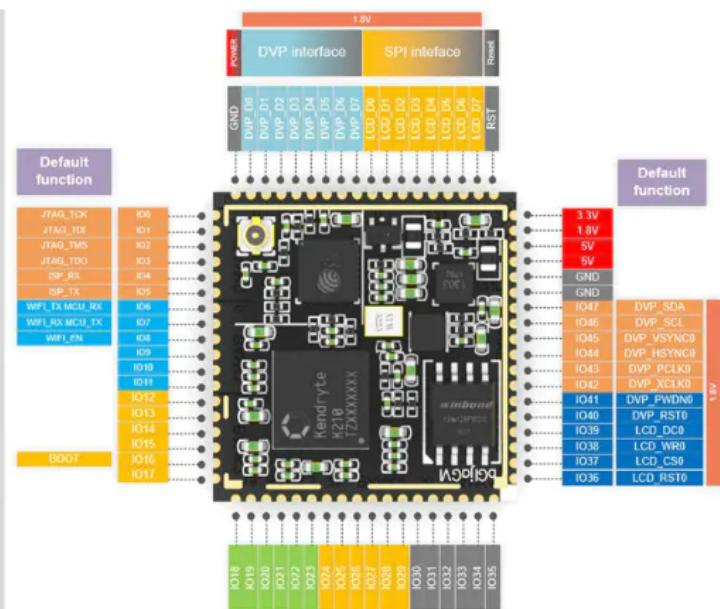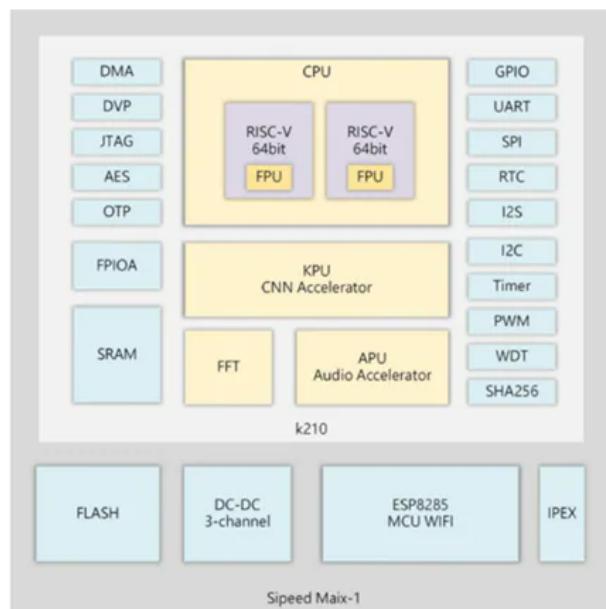
Mouser Part Number

View Part

To learn more, visit https://www.mouser.com/new/seeed-studio/seeed-studio-m1w-dock-suit-dev-board/