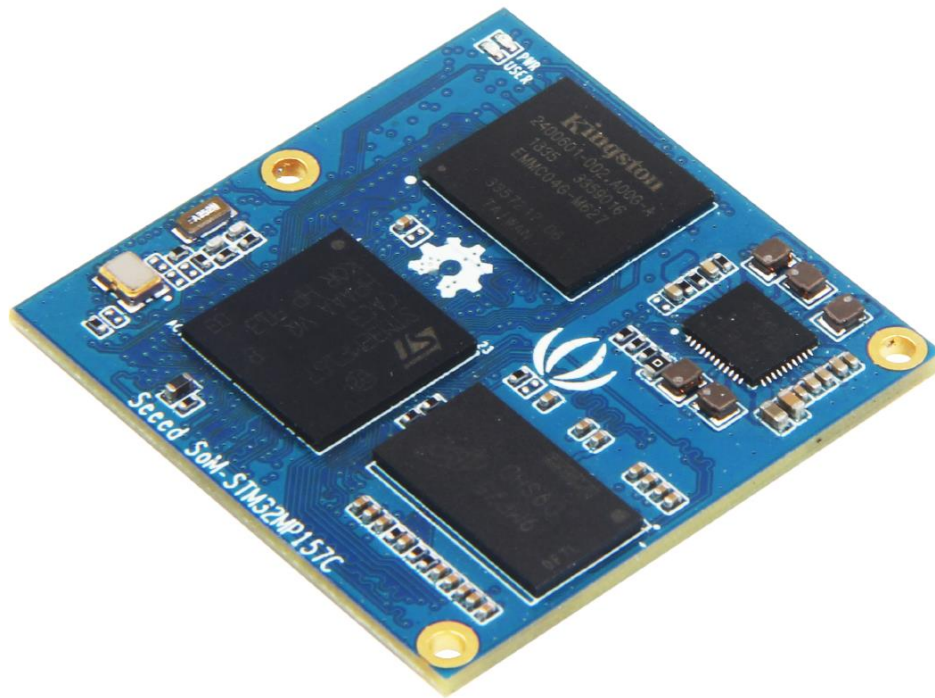**Seeed SoM - STM32MP157C Integrate Cortex-A7 plus Cortex-M4**

SKU

102110318

Description

Note

Seeed fusion offers PCB/ PCBA manufacturing service for customized products based on Seeed SoM - STM32MP157C Integrate Cortex-A7 plus Cortex-M4 with an online instant quote and fast delivery. Furthermore, business users can enjoy a free prototype and engineer support as well. Click here to learn more!

Key Feature

- Dual-core Arm-Cortex-A7 core processor with Cortex-M4 integrated

- Open-source hardware/SDK/API/BSP/OS

- ODYSSEY – STM32MP157C SoM

- 4GB eMMC, rich interfaces for development

Description

The Seeed SoM - STMicroelectronics32MP157C is an SoM of ODYSSEY – STM32MP157C, based on STM32MP157C, a dual-core Arm-Cortex-A7 core processor operating at 650Mhz. The processor also integrates an Arm Cortex-M4 coprocessor, which makes it suitable for real-time tasks. The Seeed SoM - STM32MP157C consisted of the MPU, PMIC, RAM, all the necessary interfaces including Gigabytes Ethernet, WiFi/BLE, USB Hosts, MIPI-DSI, DVP for the camera, audio.meanwhile, which can be used to assemble an SBC with a carrier board. With this board, customers can deploy the SoM on their own carrier board easily and quickly.

Specification

- MPU: STM32MP157C
  - 32-bit dual-core Arm Cortex-A7
  - 32-bit Arm Cortex-M4 with FPU/MPU
- PMU: ST PMIC STPMIC1A
- RAM: 512MB DDR3 RAM
- Flash: 4GB EMMC
- Peripherals: 3 x Board-to-Board 70-Pin Connectors
- Size: 38mm x 38mm

Applications

- Industrial (CAN-Ethernet gateways etc)
- White goods(refrigerators, microwaves etc)
- Medical(data loggers etc)
- High-end wearables(VR device etc)
- Smart Home Devices