

SOM-MTK-8370-00-S

SERA Starter KIT



SMARC
module

MEDIATEK

Overview

The SERA SOM-M8370 is a SMARC module powered by the MediaTek Genio 510 SoC with 2x Arm Cortex-A78 and 4x Cortex-A55 cores and up to 2.8 TOPS APU.

The module incorporates a spate of IoT technologies, such as on-device artificial intelligence (AI) capabilities and support for up to 3 cameras, while delivering a low power envelope, making it the ideal solution for robotic and drone applications across various sectors, including consumer, enterprise, defense, industrial, logistics, and more.

Besides the Genio 700 platform is pin to pin compatible with Genio 510 .To give you more high-end APU system options.

Features

- 6-core MediaTek MT8370 (Arm Cortex-A78 x2 + Cortex-A55 x4).
- 2.8 TOPS APU system.
- SMARC revision 2.1 compliant.
- Up to 8GB LPDDR4X.
- DSI up to 1080P.
- HD display up to 4K/60Hz
- 1x onboard eMMC5.1 up to 64 GB
- Supports One GbE port (Optional The second)
- Supports 2x MIPI CSI 4 lane interfaces (Optional 1x MIPI CSI 4 lane+2x MIPI CSI 2 lane)
- USB3/USB2 interfaces
- Support Linux Yocto/Android

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**Specifications are subject to change without notice.*