

AAES-RK391

ARM-Based BOXed System with Dual Core Cortex-A72+Quad Core Cortex-A53



Features

- Ultra Low Power and Fanless Design Chassis System
- High-performance ARMv8, 64-bit processor, Dual Cortex-A72 + Quad Cortex-A53
- Support Onboard 4GB LPDDR4 memory and 64GB eMMC
- Mali-T864 GPU, support 4K H.264/H.265 Video decoding, OpenGL ES1.1/2.0/3.0/3.1, OpenVG1.1, OpenCL, DX11
- Maximum support- 2 x HDMI 2.0a output, 1x 4K and 1 x FHD@ 60Hz
- Richful I/O ports for multiple industry applications, such as Digital Signage, Kiosk, and vending machine.
- Support Android 9.0

System

CPU ARMv8, Dual Cortex-A72 + Quad Cortex-A53, 64-bit

Memory LPDDR4, 4GB, soldered onboard

Storage 64GB eMMC Flash Soldered onboard

Graphics Mali-T864 GPU

Wireless

WLAN 1 x IEEE 802.11 a/b/g/n/ac

Bluetooth BLE 4.2

I/O

Serial Port 2 x RS232, DB-9 interface

USB Port 1 x USB Type C
4 x USB 2.0 Type (Front I/O: 2, Rear I/O: 2)

LAN 2 x GbE, RJ-45 Ethernet

Display Port 2 x HDMI 2.0a output,
Max support 1x4K+1x FHD @60Hz

Audio 1 x 2V RMS Line-out with 3.5mm Phone Jack

Expansion Bus 1 x Micro SDHC/microSDXC/micro SD (Max. 256GB) card socket

Power 1 x Tact Switch, 2.5mm DC Jack

LED Indicator 2, Green LED: DC-IN; Blue LED: Power-On

Button 1 for Reset Button, 1 for FW download Button

Environmental

Operating Temp. 0 ~ 50°C

Storage Temp. -10 ~ 70°C

Qualification

Certification CE, FCC

Power Requirement

Power Input DC 12V/2A input

Mechanical

Construction Aluminum

Weight TBD

Dimensions (W x D x H) 170.2 x 117.8 x 41 mm (6.7" x 4.64" x 1.61")

OS Support

Android 9.0

Ordering Information

AAES-RK391 Android BOXed System, 4GB/64GB, with 1 x 12V/2A DC-IN power Adapter, 1 x WiFi Antenna