

ARM-Based Embedded Computer with RockChip RK3399 Processor

Overview

AEC-214 is Darveen's latest ARM-Based embedded computer, based on dual-core Cortex A72 and quad-core Cortex A53 architecture high-performance hexa-core processors, compatible with Android 10 or Ubuntu 18.04 operating system. The product integrates Wi-Fi, Bluetooth, Ublox GPS/Beidou/Glonass positioning system and dual-channel CAN interface onboard, and can expand full Netcom 4G/5G communication, providing All-in-one solution.

Features

- Dual-Core Cortex-A72 and Quad-Core Cortex-A53 Processor
- Metal structure, fanless design
- Rich I/O includes USB, RS-232/485, LAN, DIO
- Optional 2/4 GB RAM, 16/32 GB EMMC
- Support WiFi, Bluetooth, 4G/5G
- Optional CAN port, GPS
- Support Android or Linux



Operating Temp.



Power Input

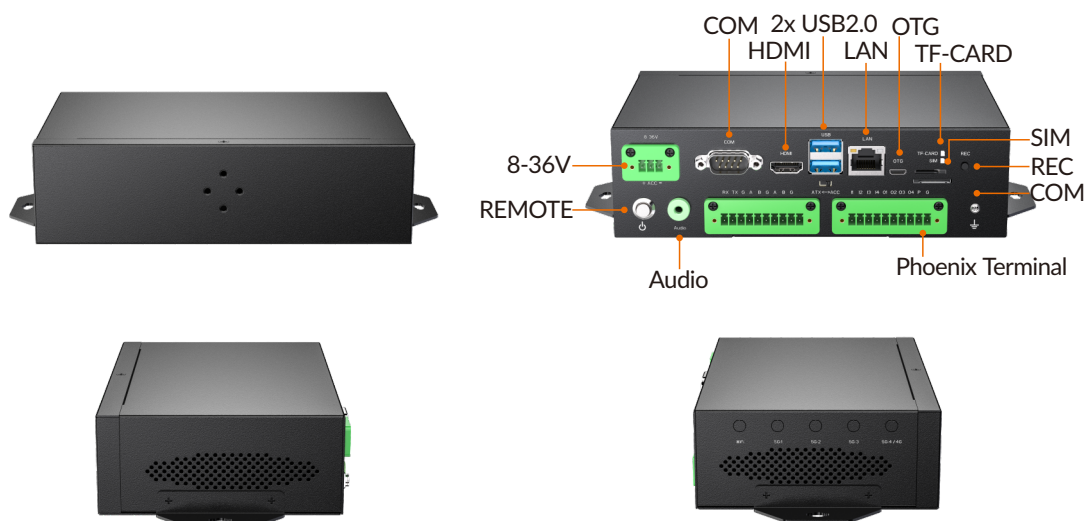


Fanless



Ultra-thin Handheld

I/O Interfaces



Specifications

System	
CPU	ARM Rockchip® RK3399, Dual-core Cortex-A72 + Quad-core Cortex-A53
Memory	2/4 GB LPDDR4
Storage	16/32 GB EMMC
GPU	Mali-T860
I/O Ports	
USB Port	1 x USB2.0 1 x USB3.0 1 x Micro USB (OTG)
Serial Port	2 x RS232, 2 x RS485
Ethernet	1 x GbE LAN
Display Port	1 x HDMI (max resolution up to 4096 x 2160@60Hz)
SIM Card Slot	1 x SIM Card slot
TF Card Slot	1 x TF Card slot
GPIO	8-ch programmable GPIO
Expansion Slot(Optional)	
M.2	1 x M.2 (Key-B, PCIe 2.0/USB 3.0, 2242/3052)
Antenna Hole	5 x SMA Holes
RF Communication	
Wi-Fi	802.11 a/b/g/n/ac
Bluetooth	BT 5.0
Audio	
Audio	1 x Line-out
Power	
Button	Power button Recovery button
DC Input	8-36VDC
Power Consumption	13W
Power Mode	ATX
Operating System	
Linux	Linux
Android	Android
Mounting Mode	
Dimensions (WxDxH)	180 x 124 x 52 mm(7.09 x 4.88 x 2.05 inches)
Weight (N.W.)	0.8Kg(1.76 lbs)
Mounting	Desktop, Din-rail
Material	SGCC
Environment	
Operating Temperature	-20 to 60°C (-4 to 140)
Storage Temperature	-40 to 80°C (-40 to 176)
Relative Humidity	5%-95%, non-condensing

Dimensions

