



Radxa Rock Pro

SKU 102110004



1 Review

Radxa's new product for single-board computers

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Radxa's new product for single-board computers. The CPU is ARM Cortex-A9 processor running from 324Mhz to 1.6Ghz, and can balancing between performance and power saving. It integrate with full interfaces, all ways to connect like Wifi, Bluetooth, HDMI, USB, Spdif, MIC and TF Card.

As a barebones single-board computer, the key feature for 80 pins 2.54mm 2.54mm extension headers, you can easily connect rock with breadboard or other sensor boards.

Difference between rock and rock pro:

- Add LVDS interface (FPC connector at the bottom of the board)
- Add touch panel interface
- Add CSI interface for camera module
- Add speaker driver circuit on board
- Other remain the same as rock

Features:

- ARM Cortex-A9, Quad Core at RK3188 SoC
- Supported Bluetooth 4.0, WIFI, LAN
- USB Host and USB OTG
- HDMI, supported 1080@60Hz
- Supported Linux, Android, FreeBSD
- 8GB Nand Flash On-board

The Package includes:

- Radxa rock main board x 1
- Wifi antenna x 1
- DC to USB power cable x 1
- Full transparent case x 1



Specification:

Model	Rock Pro
System	
CPU	ARM Cortex-A9 quad core @ 1.6 Ghz
Memory	2GB DDR3 @ 800Mhz
Storage	8GB Nand Flash, Micro-SD SDXC up to 128GB
Display and Graphics	
GPU	Mali400-mp4 @ 533Mhz, OpenGL ES 2.0
Digital Video	HDMI 1.4 up to 1080 @ 60hz
Analog Video	AV output
Network	
LAN	10/100M Ethernet port
WIFI	150Mbps 802.11b/g/n with antenna
Bluetooth	Bluetooth 4.0
I/O	
Audio	S/PDIF, headphone jack
USB HOST	2 USB 2.0 standard A types
USB OTG	USB OTG micro-USB connector

Serial	Serial Console for debugging
IR	Support self-defined IR remote
Key	1 power key, 1 recovery key, 1 reset key
Other	
Led	3 programmable leds
RTC	Support power off alarm
Extend Header	80 pins including GPIO, I2C, SPI, Line in, USB 2.0, PWM, ADC, LCD, etc

Source code available

It provide source code with all the history for you to customize. Visit <https://github.com/radxa> to view the source code.

Documents available

Radxa provide the schematic, datasheet and more documents about the board. Visit <http://dl.radxa.com/rock/docs/hw/> to download the documents.

If you want to learn and share your knowledge, please contribute to the [wiki](#). If you have any technical problem, please contact support@radxa.com.

Technical details

Dimensions	0mm x0mm x0mm
Weight	G.W 311g
Battery	Exclude

ECCN/HTS

HSCODE	9030900090
ROHS	1

Company

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