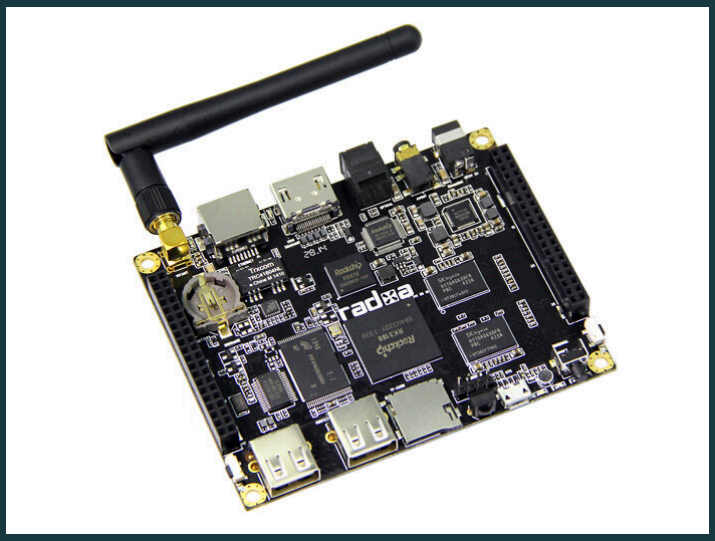
seeed studio

INDUSTRIAL PRODUCT DATASHEET

Radxa Rock Pro

Radxa Rock Pro: Quad-core ARM Cortex-A9 SBC with full connectivity and expansion interfaces.

SKU	UPDATED	PRICE
102110004	2024-08-09 02:28:52	$49.00(Excl. VAT)



Overview



The Radxa Rock Pro is a single-board computer powered by a quad-core ARM Cortex-A9 RK3188 SoC, operating from 324MHz to 1.6GHz. It offers extensive connectivity including WiFi, Bluetooth 4.0, HDMI, USB, and 80-pin 2.54mm extension headers, with added LVDS, touch panel, CSI, and speaker driver circuit interfaces compared to the standard Rock.

Key Features

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 anternna x 1

DC to USB power cable x 1

Full transparent case x 1

Specification:

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.

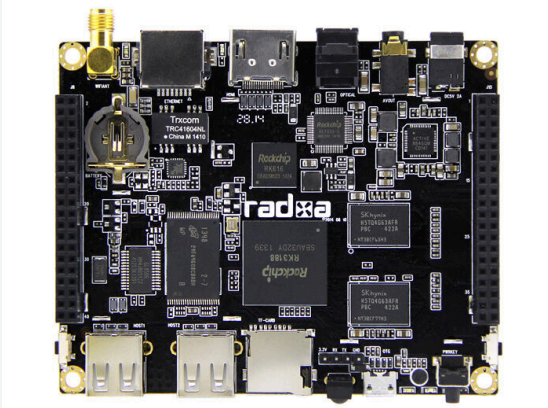
Documents available

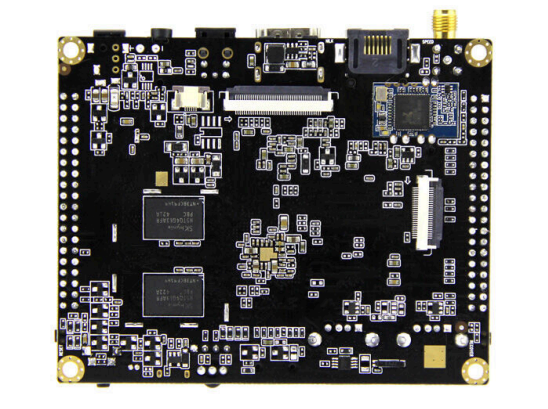
Radxa provide the schematic, datasheet and more documents about the board. Visit **http://dl.radxa.com/rock/docs/hw/** to download the documents.

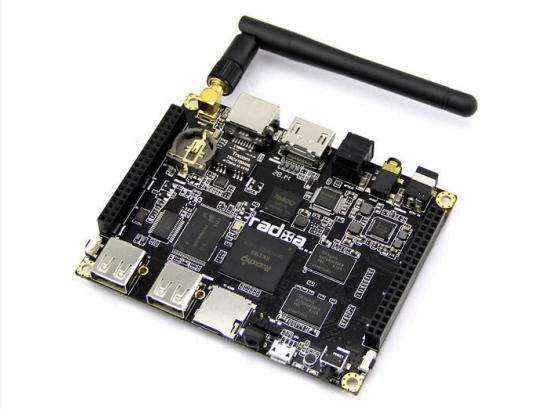
If you want to learn and share your knowledge, please contribute to the **wiki**. If you have any technical problem, please contact **support(at)radxa.com**.

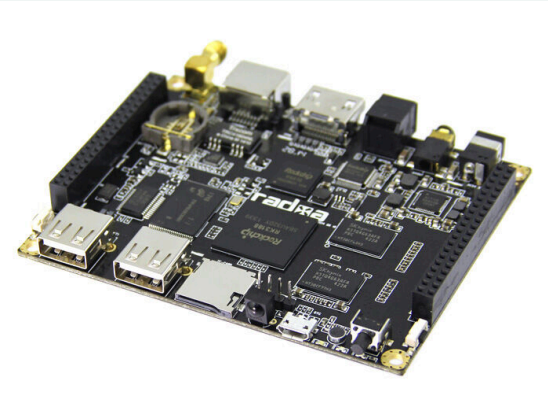
Product Gallery

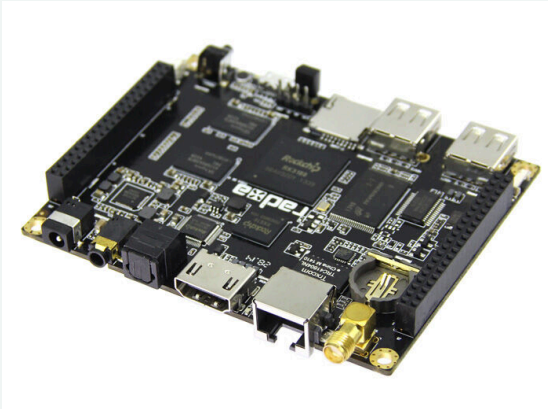












Compliance & Logistics

HSCODE	9030900090
ROHS	1

Resource Links

- https://www.seeedstudio.com/Radxa-Rock-Pro-p-1979.html

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