
Radxa ROCK Pi S Core

A low-cost SoM for IoT and Audio applications

Revision 1.1

2025-04-28



Radxa Computer



Contents

1	Revision Control Table	2
2	Introduction	3
3	Features	3
3.1	Hardware	3
3.2	Software	4
4	Mechanical Specification	5
5	Rich Audio interfaces	6
6	Availability	6
7	Support	6

1 Revision Control Table

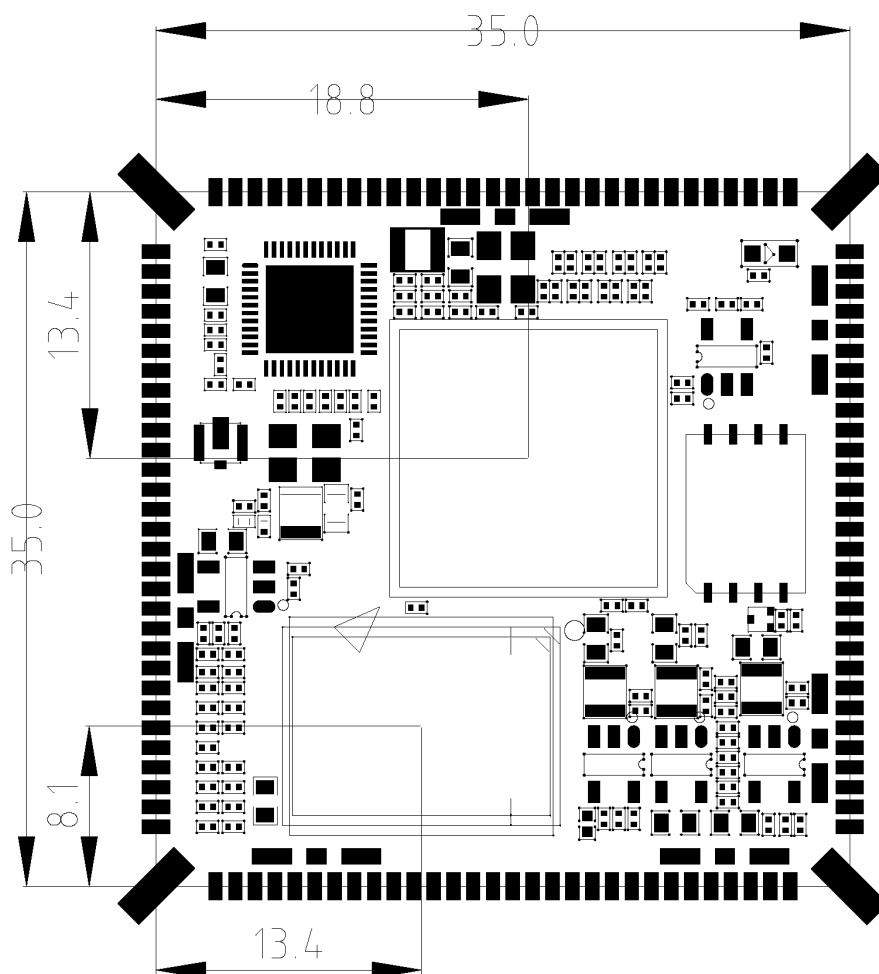
Version	Date	Changes from previous version
1.0	19/04/2023	First version
1.1	2025/04/25	Change PDF fonts to avoid CJK characters

- DDR3 RAM options:
 - 256MB
 - 512MB
- Optional on board 128MB / 256MB / 512MB NAND Flash or 8GB / 16GB eMMC
- Support 802.11 b/g/n WiFi and BT 4.0 with external antenna
- Support 100Mbps Ethernet
- A wide range of interface options
 - GPIO
 - SDIO 3.0
 - USB 2.0 OTG
 - USB 2.0 HOST
 - PDM
 - S/PDIF
 - I2S
 - Line Out
 - Headphone Out
 - Microphone Input

3.2 Software

- ARM V8 Instruction Set
- Debian/Ubuntu Linux support

4 Mechanical Specification



5 Rich Audio interfaces

Radxa ROCK Pi S Core support rich audio interfaces, such as I2S, PCM, TDM, PDM, SPDIF, VAD(Voice Activity Detection) and so on, can meet different audio application development, reduce hardware development complexity and development cost.

6 Availability

Radxa guarantees availability of the ROCK PI S Core until at least September 2033.

7 Support

For support please see the hardware documentation section of the [Radxa Documentation](#) website and post questions to the [Radxa forum](#).