

This page describe the hardware revisions of ROCK Pi S. For the different models and features of each models, please refer models page.

## V1.0

- This is the first version of the board, 15 samples are made

## V1.1

- Board color changes to yellow :-)
- Change GPIO header to be compatible with ROCK Pi 4
- Swap USB Host on type A and USB OTG on type C, make more sense with single cable for power and adb
- Change SPI flash to SD Nand

## V1.2

- Add full PDM support on GPIO header according to the discussion on the forum (<https://forum.radxa.com/t/audio-support-rock-pi-s/1686/12>)
- Swap ethernet status led JP1 pin 11/12 and pin 13/14
- Change resistor R9608 R90304 value to reduce brightness of LED
- Add 5.1K pull down resistor on type C CC pin :-)

## V1.3

- Change 4 PINs MIC on 26P header 2 with SPI/I2C/UART function, as required by some applications. Check V13 GPIO PINOUT (Pin 13/14/15/16) for more details

## V1.3(2022)

Because of the supply chain challenge, Rockchip updated RK3308 version to RK3308BS. For ROCK Pi S V1.3 version manufactured in 2022 and later, we now use the new RK3308B-S version. The hardware difference of S version can be found here ([https://dl.radxa.com/rockpis/docs/hw/datasheets/RK3308\\_Series\\_S-version\\_Chip\\_Hardware\\_Design\\_Modification\\_Introduction\\_V1.0.1\\_20211019.pdf](https://dl.radxa.com/rockpis/docs/hw/datasheets/RK3308_Series_S-version_Chip_Hardware_Design_Modification_Introduction_V1.0.1_20211019.pdf)) and software difference explanation can be found here ([https://dl.radxa.com/rockpis/docs/sw/RK3308B-S&RK3308H-S\\_Software\\_Compatibility\\_Introduction\\_V1.0.0\\_20211016.pdf](https://dl.radxa.com/rockpis/docs/sw/RK3308B-S&RK3308H-S_Software_Compatibility_Introduction_V1.0.0_20211016.pdf)).

The new ROCK Pi S images released in 2022 already supports both chip version, it's backward compatible with all ROCK Pi S versions. Currently the new image is not compatible with the older hardware version. Please refer to the image release page for more information.

- SoC RK3308 now changed to RK3308B-S version

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