

BananaPi R64

- [Hardware](#)
 - [storage](#)
 - [gpio](#)
- [uboot](#)
 - [2020+ in my repo](#)
 - [2014-04 in my repo](#)
 - [official 2014-04](#)
- [kernel](#)
 - [my 4.19 my 5.4-main](#) and up to mainline
 - [official 4.19](#)
- [images](#)
 - [debian buster](#) on [my gdrive](#)
 - [debian 8 Image](#)
 - [ubuntu 16.4 + armbian buster](#)
- [network](#) (basically same as on r2)
- [WIFI Bluetooth](#)
- [links](#)
 - Developer documents: [mt7622](#) [mt7531](#)
 - [schematics](#)
 - http://wiki.banana-pi.org/Banana_Pi_BPI-R64
 - http://wiki.banana-pi.org/Getting_Started_with_R64

known Issues

- pcie slot 1 (cn8) not working properly due to hardware design mistake (missing capacitors on tx lines) in v1.0 (gen1 seem to work)
 - this is reported to be [fixed with v1.2](#)
- pcie slot 0 (cn25) seems to bring not enough power for mt7615 (>21dbm) without changing an resistor ([link](#))
- instructions for fixing pcie hw-issues: <http://forum.banana-pi.org/t/bpi-r64-pcie-issues/10284/99>
- sgmi (lan-ports) has some problems with phylink (static ip works, dhcp not) if checking for SGMII_LINK. Current dsa-driver working without this check
- pwm7 seems not available (gpio101 not pwm)
- pwm3 is inverted and connected to fan-socket...no info how to drive correctly

From:

<http://fw-web.de/dokuwiki/> - **FW-WEB Wiki**

Permanent link:

<http://fw-web.de/dokuwiki/doku.php?id=en:bpi-r64:start&rev=1687589758>

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