

BananaPi R2

- [Hardware](#)
 - [Debug-UART](#)
 - power-on (10 second button-press)
 - additional Hardware:
 - Power Supply: 12V/2A recommended, Powerplug 5.5 mm/2.1 mm [Reichelt](#)
 - microSD-Card (>=8GB): Sandisk 32GB Ultra
 - WLAN-antennas: 5dbi with rp-SMA To IPEX/u-FL cable
 - PCIe Wlan-Card: [Forum](#) ⇒ [MT76](#)
 - [emmc](#): [Forum](#)
- [Software](#)
 - OS-Images:
 - official: [GoogleDrive dev.banana-pi.org.cn](#)
 - my own (Debian/Ubuntu): [GoogleDrive](#)
 - [Debian](#) | [Ubuntu](#)
 - [LEDE](#) / [OpenWRT](#)
 - Ubuntu [forum](#)
 - CentOS [Forum](#)
 - [Kernel/Uboot](#) (debian):
 - 4.4.70 on [GitHub](#)
 - 4.14+ on [my GitHub](#)
 - [official 4.14](#)
 - precompiled Kernel on my [GDrive](#)
 - [Networkconfiguration](#)
 - [GPIO](#)
 - [WLAN](#) / [Bluetooth](#)
 - [HW-NAT](#)
 - [VLAN-Support](#)
 - [CryptoDev](#)
 - [HDMI](#)
- help / documentation:
 - [GitBook](#): [BPI-R2 GitBook](#)
 - Schematics: [GoogleDrive](#)
 - Datasheet: [GoogleDrive](#)
 - [Forum](#) [EN](#)
- [links](#)

known Issues / Limitation

- on-board-WLAN ([AP-Mode working so far](#)),4.14 + 4.19 + 5.x
- bluetooth working (beta) in 4.14 + 4.19 (except btle)
- BPI-R2 does not power-off: [GitHub](#) (working in 4.14+4.19+5.x)
- Switch 7530 Port-separation/vlan in 4.4.x not supported, in 4.14+ vlan+separation works
- 2nd GMAC works pn 4.14+4.19, in 5.x this is only available on phylink-branches

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