

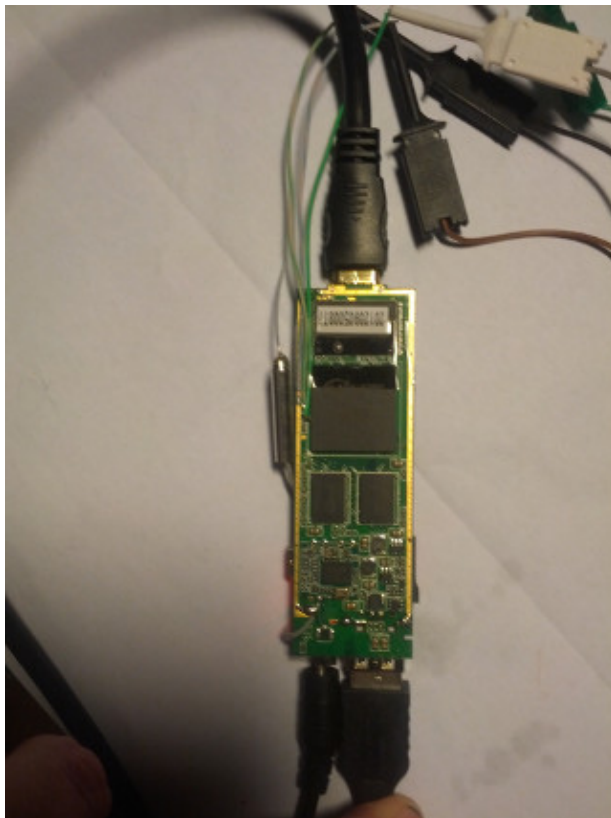
This page documents various things about this nice A10 machine with 1Gb RAM

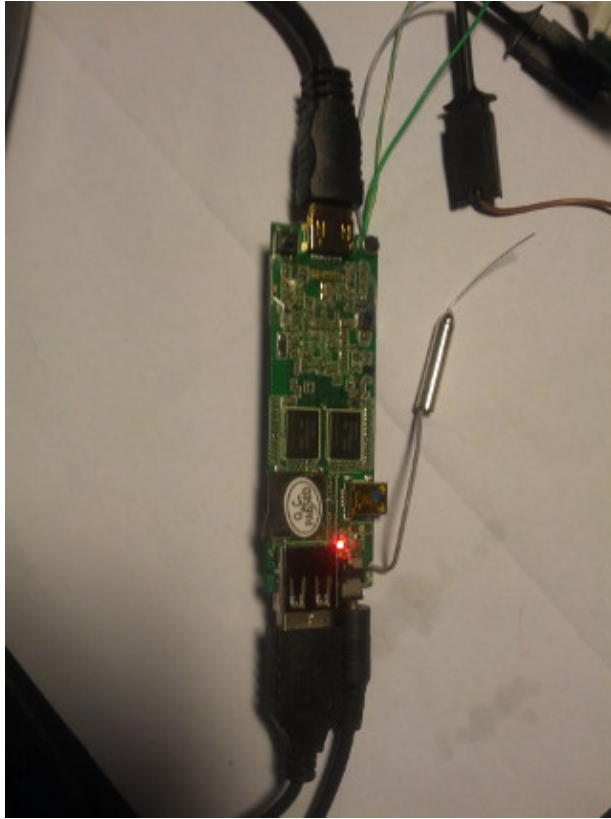
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## Serial port





## Boot

- A10 boot overview - [http://rhombus-tech.net/allwinner\\_a10/a10\\_boot\\_process/](http://rhombus-tech.net/allwinner_a10/a10_boot_process/)
- <https://github.com/hipboi/mksunxiboot>
- <https://github.com/linux-sunxi/u-boot-sunxi/wiki>

## u-boot

<https://www.miniand.com/forums/forums/development--3/topics/uboot>

## Kernel

(not really needed if u-boot detects memory correctly)

CONFIG\_CMDLINE mem=1024M

## Kernel compilation

<http://linux-sunxi.org/Linux>

```
make ARCH=arm CROSS_COMPILE=arm-linux-gnueabihf- sun4i_defconfig
make ARCH=arm CROSS_COMPILE=arm-linux-gnueabihf- -j16 uImage modules
make ARCH=arm CROSS_COMPILE=arm-linux-gnueabihf- INSTALL_MOD_PATH=output modules_install
```

# Debian

- 512Mb <http://romanrm.ru/en/a10/debian>
- 1Gb <http://jas-hacks.blogspot.co.uk/2012/10/hackberry-a10-debian-whezzy-headless.html>

# Android

## Source

- [https://github.com/oopsmonk/android\\_device\\_allwinner\\_mk802](https://github.com/oopsmonk/android_device_allwinner_mk802)
- <https://github.com/oopsmonk/android/blob/jellybean/default.xml>

# CyanogenMod 10

- <https://www.miniand.com/forums/forums/development/topics/cyanogenmod-10-full-working-with-inter>

# Building

<https://github.com/linux-sunxi/sunxi-bsp>

<https://github.com/cnxsoft/a10-config>

# MicroSD breakout

- [http://linux-sunxi.org/MicroSD\\_Breakout](http://linux-sunxi.org/MicroSD_Breakout)

Pin	MicroSD	JTAG Connection	14-pin ARM JTAG Header	UART Connection	5-pin UART Header
1	Data2	TCK	9	nc	nc
2	CD/Data3	nc	nc	RX	2
3	Cmd	TDO	11	nc	nc
4	VDD	VTG	1,13	VDD	3
5	CLK	nc	nc	TX	1
6	VSS	GND	2,4,6,8,10,14	GND	4, 5
7	Data0	TDI	5	nc	nc
8	Data1	TMS	7	nc	nc
nc	nc	nTRST	3	nc	nc
nc	nc	nRESET	12	nc	nc