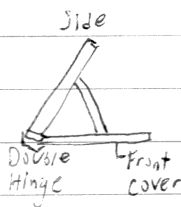
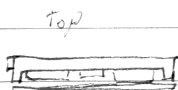


# Christopher Bero

SL30ADAC

Design:



OS: Archlinux-arm

↳ Large package base, SSD support, newest power saving features.

i3wm: Can customize with feh to provide desktop icons and clickables.

↳ i3lock seems <sup>Kinda</sup> very customizable for touchscreen

- Learn one OS and use on two PC's.

Hardware will allow for as many batteries as desired, hot swap of batteries; and key'ob/mouse storage.

Passively Cooled. Angle-alum frame.

Ask about wb antenna.

Wandboard add ons:

- Second Screen
- Physical Keys
- Camera?
- Remote
- Generator? Solar?
- Speakers?
- GPS?
- 

Revised:

- Second Screen
- Physical Keys (arduino?)
- Solar (Screen shield?)
- Radio
- Desk Mount?
- Car Mount?

## Power Parts:

USB Battery / Wall Charger / qi Charger  
USB Cables / Solar Panel / Chank?

## Hinge Design:

- Two Panel:

- Front Panel:

-

9-4-14 Wandboard SATA:

- Put Uboot on sdcard.
- Place ~2gb part. on sdcard.
- Place rootfs on satq.
- mount sdcard as /boot/.

Sdcard: mmcblk0:

- Uboot
- mmcblk0p1 /boot ~2Gb
- mmcblk0p2 /mnt/sd ~rest of card

## Wandboard Kernel Troubleshooting:

:2

The problem is not:

- Sporadic : fails everytime. (only 3.10)

Could still be:

- Software → Uboot, packages,
- Hardware
  - ↳ SD : Damaged in power-off?
  - ↳ HDMI : Try diff screen?
  - ↳ Power Source?
  - ↳ Soldered Connections.

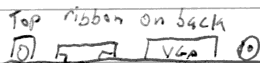
3.14 boots on the 32gb sd. No idea why.

Still need to work on 3.10.

Wandboard:



LCD:



7-4-14

load recovery + uenv.txt on sdcard.

Jamsung SSD - Lowest power draw

Test speeds of Sd vs. SSD.

Test boot from SSD.

- Put LEDs on display mount to make a work light!
- Create Serial-usb adapter and use minicom to troubleshoot boot.
- test linux-imx6-wandboard-dt