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CC-A80-Linux Linux Installation Guide

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Abstract

Cubieboard4 ,it 's called Cubietech-Single-Board-Computer A80 ,or CC-A80. This is a guide to flash a linux firmware to a TF-Card or Emmc-Onboard without Livesuit or Phoenixsuit. To build a open community ,Cubietech will only provide Card firmware ,Linux-SDK for packing also open to community.

Hardware Requirements

- CC-A80-v1.1 (Cubiebaord4)
- TF-Card + Card Reader , class 10 suggested ,4G or more
- USB-Serial adapter ,Cubieboard TTL suggested
- Monitor support HDMI ,USB2.0 Keyboard and Mouse

Software requirements

- Windows or Linux operating system
- Win32diskimager Start the card production tools

Download the firmware

Baidu cloud firmware server address : <http://pan.baidu.com/s/1eQ4BpAy>

Please read the readme: <http://pan.baidu.com/s/1o6A0CzS>

According to the firmware update log, select download firmware, the following is a Linux firmware part list:

lubuntu-cca80-card-v0.1.img.7z | md5sum:3526a05656f6316dca38210b89343f9a | 20141014

lubuntu-cca80-emmc-v0.1.img.7z | md5sum:20a4586739e332eabba6623a72aa8f8d | 20141015

attention : lubuntu-cca80-emmc-v0.1.img.7z This is a card firmware , Does not support Livesuit/Phoenixsuit flash

File check

After download in order to ensure that the integrity of the file, please calculate the md5sum:

take `ubuntu-cca80-card-v0.1.img.7z` for example :

```
$ md5sum ubuntu-cca80-card-v0.1.img.7z
```

Please and compare this file, see if 2 sets of data :

[3526a05656f6316dca38210b89343f9a](#)

Unpack the firmware

Windows user

Please use the support 7z format decompression tool to extract package

linux user

```
7z e ubuntu-cca80-card-v0.1.img.7z
```

Get the system image : `ubuntu-cca80-card-v0.1.img`

Brush the TF card

Windows user

Use win32diskimager, card production started. Tools download address:

<http://pan.baidu.com/s/1gd8Dcjsx>

linux user

Using the `dd` command will brush into the TF card system image

```
$ sudo umount /dev/sdx
```

```
$ sudo dd if=ubuntu-cca80-card-v0.1.img of=/dev/sdx
```

```
$ sync
```

`/dev/sdx` Refers to the target card in host drive equipment, such as `/dev/SDB`. This operation will

format the target card, please get the data backup

Brush Emmc

1. Make TF card brush Emmc CARDS

take `lubuntu-cca80-emmc-v0.1.img.7z` for example , The practice of specific reference to brush over a part of the TF card

2. Tf card brush Emmc process :

- Will start TF CARD into the CC - A80 TF - CARD CARD slots
- With official standard dc power supply or batteries on electric start
- Red and green LED lights continue to flash burn write normal system
- If abnormal production process, the red LED lights will be flashing into has been lit.
- Red and green LED lights are out, the system automatically shut down, burning
- Pull the TF card, enter the system boot test next

test System boot

TF card firmware

HDMI, mouse and keyboard, insert TF card, with electricity on

Emmcfirmware

After the Tf card burning Emmc, remember to take the Tf card, HDMI, mouse and keyboard, insert Tf card, with electricity on



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All distributions of account and password

Lubuntu: linaro /linaro

Cubieez : cubie/cubieboard root/cubieboard

Matters needing attention

- Production process do not power outages, 2 leds are no longer flashing, automatic shutdown rear can draw card
- Mass production, the length of time and TF card read-write speed, in order to reduce the burn-in time, please use the TF card, recommend the class - 10.