

Linux-distribution card firmware installation

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Overview

In order to make more open environment community , we will provide card firmware and the card firmware packing proenvironment, this is a general card firmware flash document, provided the CB1 and CB2, CB2-dualcard and CT firmware address and firmware flashing process. Pay special attention please, firmware mentioned are all card firmware in this document.

Hardware requirements

- A host computer ,Windows or Linux operating system
- A Cubieboard , you can refer to selection : <http://docs.cubieboard.org/products/start>
- TF-Card + Card Reader , class 10 suggested ,4G or more ,read and write speed the sooner the better



- The mouse, keyboard, official power supply (dc5v, 2A), HDMI display, serial port (optional)

software requirements

- Windows or Linux operating system
- Win32diskimager and production tools

Download the firmware

CB1 : <http://dl.cubieboard.org/model/cubieboard1/Image/linux-distribution/>

CB2 : <http://dl.cubieboard.org/model/cubieboard2/Image/linux-distribution/>

CB2-dualcard : <http://dl.cubieboard.org/model/cubieboard2-dualcard/Image/linux-distribution/>

CT (CB3) : <http://dl.cubieboard.org/model/cubietruck/Image/Linux/>

File check

You can get a firmware md5sum by md5sum cmd :

Take cubieez-ct-card0-hdmi-v2.0.img.7z for an example:

```
$ md5sum cubieez-ct-card0-hdmi-v2.0.img.7z
```

Windows user

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

linux user

7z e cubieez-ct-card0-hdmi-v2.0.img.7z

Get the system image : cubieez-ct-card0-hdmi-v2.0.img

Brush the TF card

Windows user

Use win32diskimager, card production started. Tools download address:

<http://dl.cubieboard.org/software/tools/windows/win32diskimager-v0.7-binary.zip>

linux user

Using the dd command to write img to a tf card

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

```
$ sudo dd if=lubuntu-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

Booting test

1. Insert tf card into Cubieboard tf card slot

- CB1 : DATA CARD
- CB2: DATA CARD
- CB2-dualcard : BOOT CARD
- CT: CRAD0

2. Access HDMI, mouse, keyboard, network cable, and finally with the standard of dc power supply power to the board input account and password

3. Account and password:

Lubuntu : user: [linaro](#) passwd: [linaro](#)

Cubieez: user: [user:cubie](#) passwd : [cubieboard](#) user: [root](#) passwd : [cubieboard](#)

4. More firmware, document, and source code , Please visit : <http://cubieboard.org/model/>

5. Document and firmware issue, please send mail to: aaron@cubietech.com