

# **ARM926EJ S3C2450 Mango24R2 U-boot image transfer to SD/MMC**

<http://www.mangoboard.com/>

<http://cafe.naver.com/embeddedcrazyboys>

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# Document History

Revision	Date	Change note

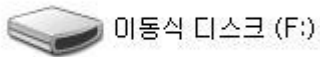
<b>1.</b>	<b>Release Note 2012 03 14 .....</b>	<b>4</b>
<b>1.1.</b>	Base 코드 .....	오류! 책갈피가 정의되어 있지 않습니다.
<b>1.2.</b>	수정사항.....	오류! 책갈피가 정의되어 있지 않습니다.

# 1. 준비물

Micro MMC card , SD/MMC Aapter (2GB 이하 만 가능)

## 1.1. U-boot image transfer to SD/MMC (Window)

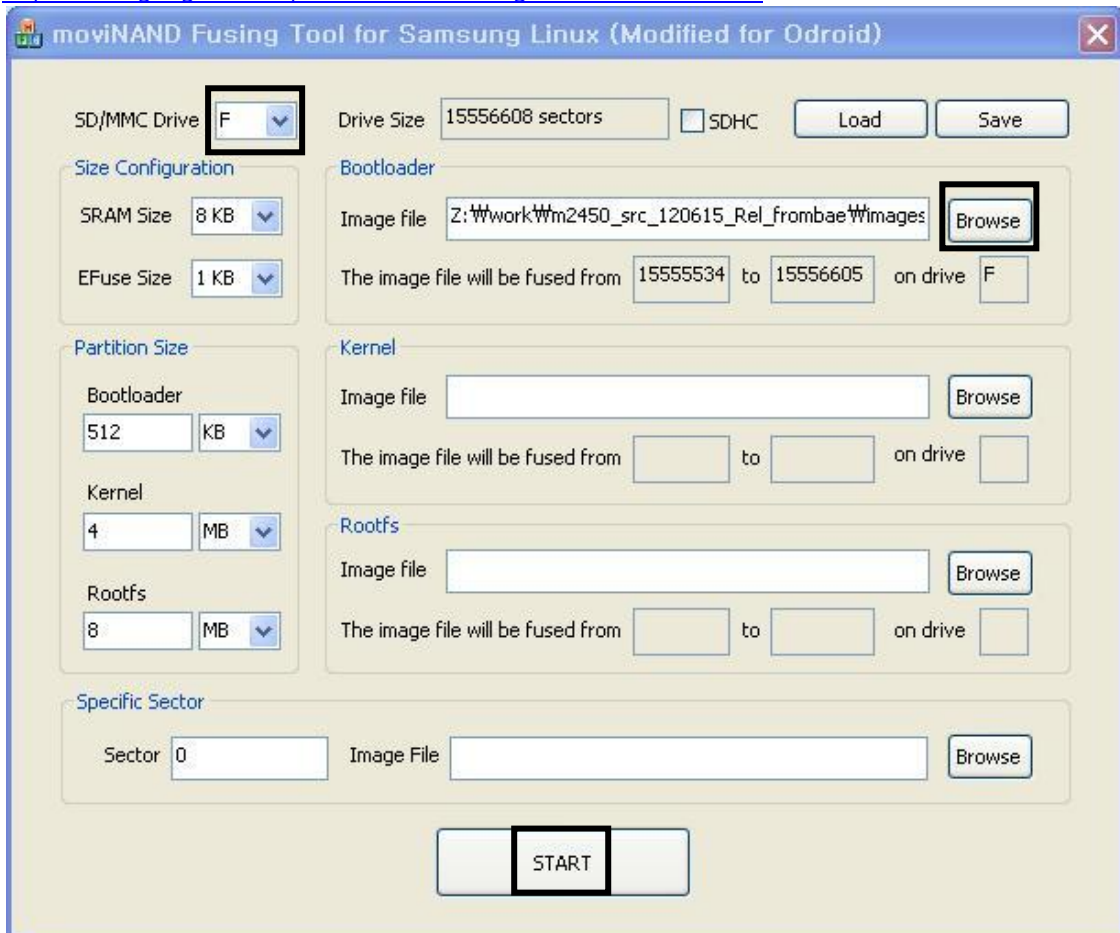
PC에 SD/MMC를 삽입합니다.



"uboot\_writer.exe" 실행

(download:

[https://docs.google.com/open?id=0Bxdf\\_3fzbUgSM3RDVHN6bXFRc3c](https://docs.google.com/open?id=0Bxdf_3fzbUgSM3RDVHN6bXFRc3c) )



"Browse" Select

"u-boot.bin-sdmmc" image select

"START" Select

반드시 "하드웨어 제거"를 실행 후 SD카드를 PC에서 제거

After Fusing

Micro SD card를 Mango24R2 보드에 삽입 후

부팅 스위치 SD boot로 변경 (3번 On, 나머지 Off)

## 1.2. U-boot image transfer to SD/MMC (linux)

Micro SD card (2GB 이하) 준비

```
#sudo wget  
http://crztech.iptime.org:8080/Release/mango24R2\_S3C2450/linux/mango24r2\_linux\_mrvtl\_120627\_rel/  
mango24r2\_linux\_sdwriter\_image\_120627.tgz  
# sudo tar xvf mango24r2_linux_sdwriter_image_120627.tgz
```

Card를 PC에 삽입



```
# sudo cd sdwriter
```

```
# df
Filesystem                1K-blocks    Used   Available Use% Mounted on
/dev/sda5                 117017192   6157080 105000784   6% /
udev                     886476      4       886472    1% /dev
tmpfs                     358104      916     357188    1% /run
none                      5120        0        5120     0% /run/lock
none                      895256      76      895180    1% /run/shm
192.168.0.113:/home/icanjji/work/ 1746752512 174884864 1484445696  11% /media/113
/dev/sdb1                1845952    0      1845952  0% /media/9016-4EF8
```

"df" 명령으로 device 확인

```
# sudo ./sdwriter sdb 24 bin
```

실행 결과

```
# ./sdwriter sdb 24 bin
Mango SD Writer V1.0

Unmount all : success

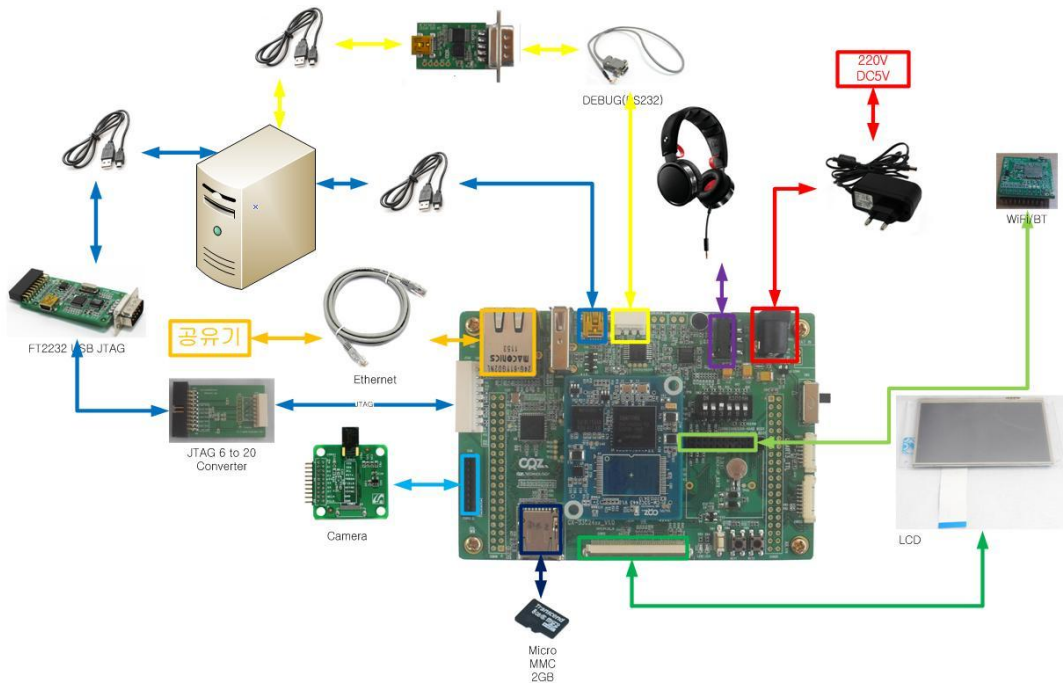
Write Mango24R2 Signaturesuccess
Write Mango24R2 BL1 : success
Write Mango24R2 Uboot : success

Unmount all : success

Success
```

Mango 보드에 SD Card 삽입

아래 전체 연결도 참조하여 전원과 3 Pin Serial 케이블 연결



전원 인가

디버깅 터미널 창에서 로그 확인

```
U-Boot 1.3.4 (Jun 27 2012 - 15:18:18) for MANGO2450
```

```
CPU: S3C2416@400MHz
```

```
Fclk = 800MHz, Hclk = 133MHz, Pclk = 66MHz
```

```
Board: MANGO2450 Mobile DDR
```

```
DRAM: 64 MB
```

```
Flash: 1 MB
```

```
NAND: 256 MB
```

```
SD/MMC: 1804 MB
```

```
After SD/MMC boot
```

```
*** Warning - bad CRC or moviNAND, using default environment
```

```
In: serial
```

```
Out: serial
```

Err: serial

ETH test 1

ETH test 2

Hit any key to stop autoboot: 0

MANGO2450 #