

Q: How to burn images to Nand in EM2416 (Linux)?

A:

The images placed in folder `\Linux\image` in development CD. The fusing tool `uboot_writer.exe` placed in folder `\tools\` in development CD

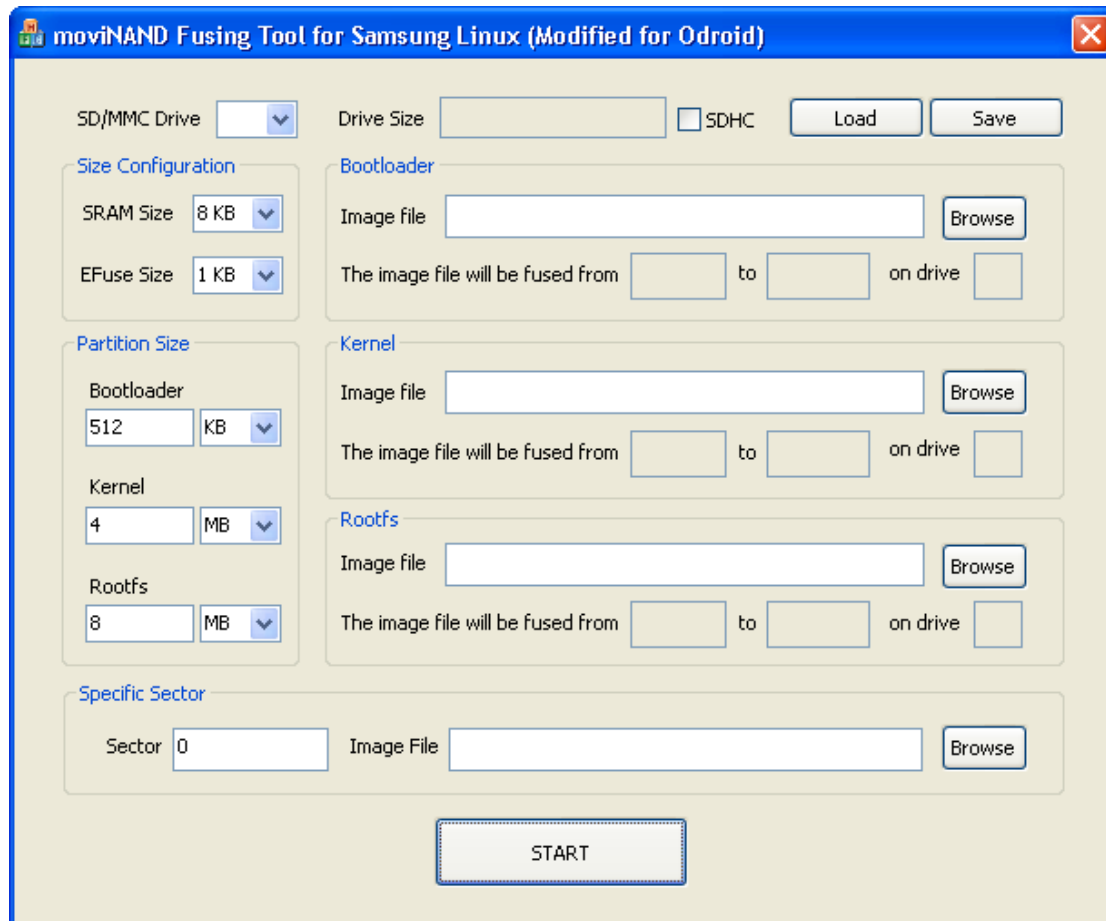
1 Making SD card with fusing tool

Step 1: Prepare the SD card (1G or 2G).

Insert SD card into SD card Reader.

Insert SD card Reader into the USB interface of the PC.

Step 2: Open uboot_writer.exe as follow.



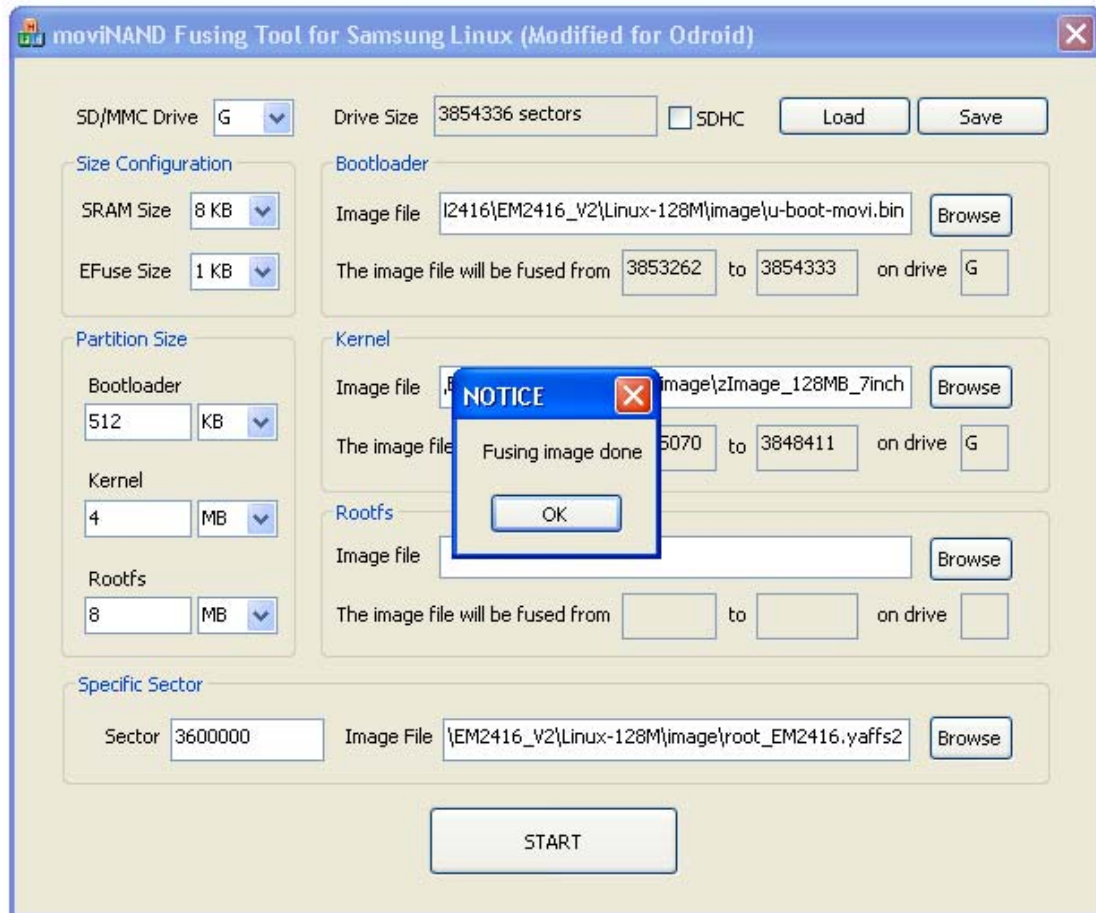
Step 3: Select SD/MMC Drive.

Select image file `u-boot-movi.bin` by Browse in Bootloader group.

Select image file `zImage` by Browse in Kernel group.

Select image file `root_EM2416.yaffs2` by Browse in Specific Sector group, and input `3600000` in the Sector.

Step 4: Click START button, the images will be fused to SD card as show bellow.

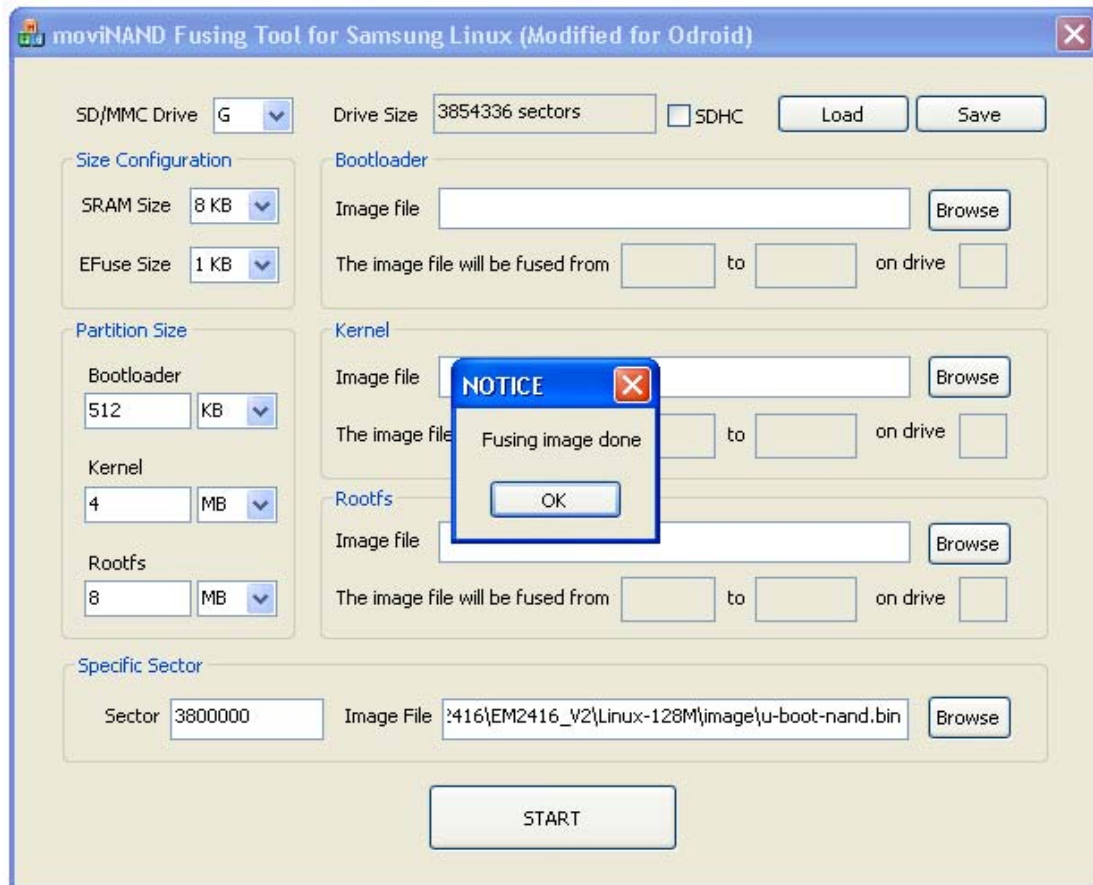


Step 5: Close uboot_writer.exe, and reopen it.

Select **SD/MMC Drive**.

Select image file **u-boot-nand.bin** by Browse in Specific Sector group, and input **3800000** in the Sector.

Step 6: Click START button, the u-boot-nand.bin will be fused to SD card as show bellow.



2 Burn image by SD card

Step 1: Set the board to SD card boot mode by boot mode switcher beside the audio interface.

Step 2: Turn on power and press any key in the console within 3 seconds to enter the uboot command mode.

Step 3: Scrub and erase the nand flash.

```
# nand scrub
```

```
# nand erase
```

Step 4: Burn u-boot-nand.bin to nand flash.

```
# movi read 3800000# 40000 c0000000
```

```
# nand write.jffs2 c0000000 0 40000
```

Step 5: Burn zImage to nand flash.

```
# movi read kernel c0000000
```

```
# nand write.jffs2 c0000000 40000 200000
```

Step 6: Burn rootfs to nand flash.

```
# movi read 3600000# 3C65040 c4000000
```

```
# nand write.yaffs c4000000 400000 3C65040
```

Note: the parameter 3C65040 is the actual size of the rootfs image.



Step 7: Set the board to nand flash boot mode by boot mode switcher beside the audio interface, image burning finished.