# Lesson 2 Burn Image

Note: This lesson is also applicable to Raspberry Pi/Jetson Nano robot series. Raspberry Pi can work after burning system image on SD card. The system image and relevant software can be found in the same folder.

Before burning image, SD card needs be formatted first. Please make a backup copy in advance if SD card has data.

The name of the system image file in this lesson is an example, you need to subject to the available system image file in material.

## 1. Preparation

### 1.1 Hardware:

Prepare a card reader, an SD card (**the storage capacity of SD card must be more than the size of the extracted system image file**) and a computer (Win 10).

### 1.2 Software:

Install **SD Card Formatter** for initializing SD card and **Win32DiskImager** for burning image.
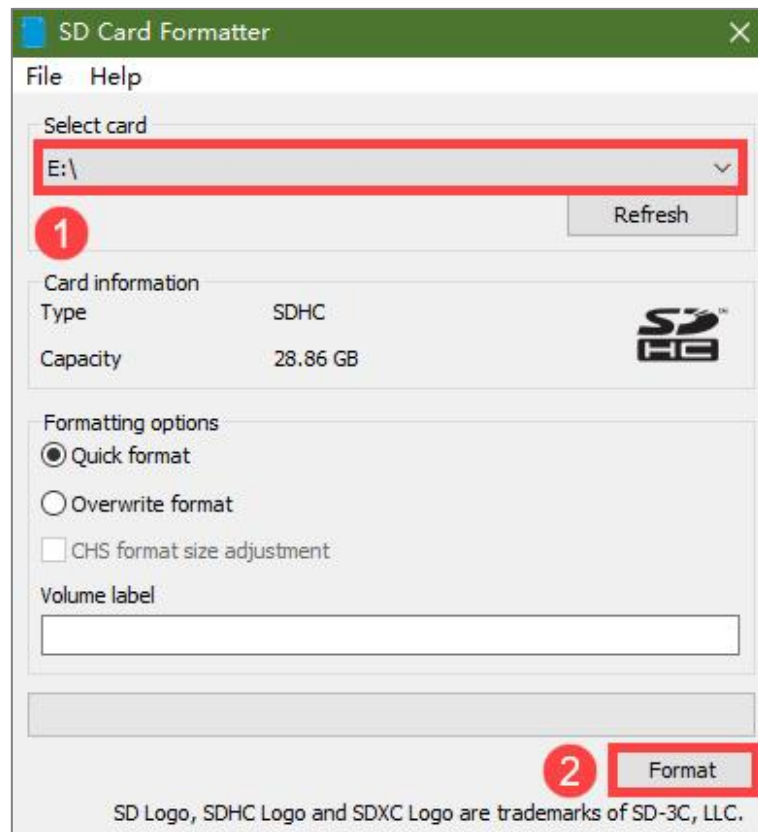
### 1.3 Extract image file

The available image file is a compressed file, which must be compressed to a path in full English. After extracting, you will get an image file ending in "img".
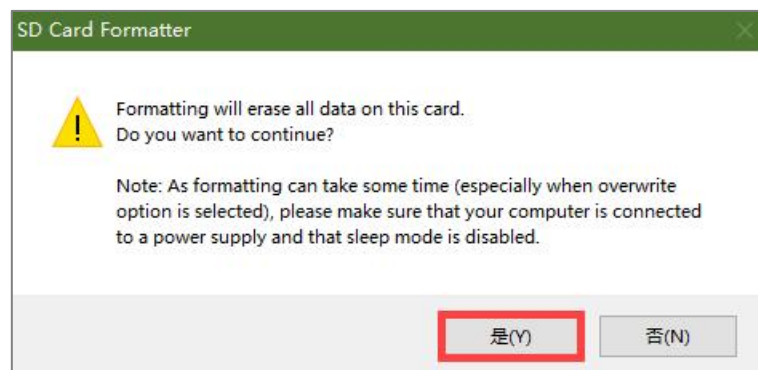
## 2. Format SD Card

Note: Do not need to format if SD card is empty.

1) Insert SD card to card reader, and connect card reader to computer.

2) Open the installed SD Card Formatter, select the drive letter of SD card in "**Select card**", and click "**Format**".



3) If the prompt appears, click "Yes" and wait for the formatting to complete.
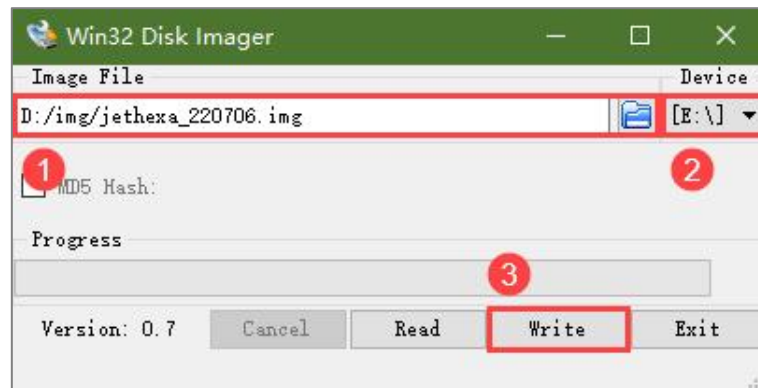


# 3. Burn Image
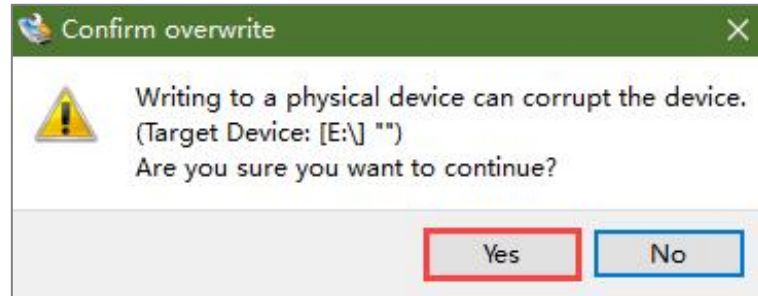
1)  Open image burning tool, Win32DiskImager.

① click on [icon] to select the image file (The image of ArmPi mini is stored in the same folder with this document, and you need to first extract the file. The following example is for your reference, please subject to the actual image file to operate.)

② Then, select the driver letter of SD card in "**Device**" bar.

③ Default to uncheck "**MD5Hash**" option. (this is an image verification option. The process of burning image will be prolonged if you check this option, so it is not recommended.)
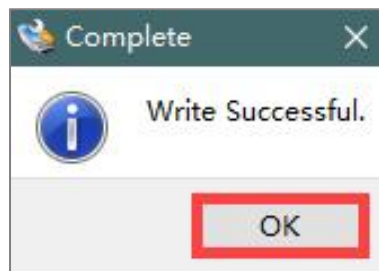
④ Click "**Write**" to start writing image.



Note: System image file can not be stored in the path containing any Chinese letters. The name of image file is subject to the actual file name.

2) If the prompt below appear, click "Yes".



3) After the prompt "Write Successful" occurs, it indicates that the writing is done. If an error is reported, please disable the firewall and sort of software, re-insert SD card and start over from the first step.

4) If the prompt "You need to format the disk in drive F: before you can use it" shows up, please click "Cancel". (Do not select "Format disk", or the system image will be erased.)