



Tutorial of burning in the first time

The Jetson Nano is an embedded board with a shape and external interface similar to the Raspberry Pi board. It is equipped with a quad-core Cortex-A57 processor. The GPU is an NVIDIA Maxwell architecture graphics card with 128 NVIDIA CUDA cores. Memory is 4GB LPDDR4, storage is 16GB eMMC 5.1, which supports 4K 60Hz video decoding.

1.Preparation

1) Power supply cable (necessary)

Jstson Nano kit is not include power supply cable, you need to prepare a cable by yourself.(for example: 5V---2A micro USB data cable or 5V --2.5A Micro USB of Raspberry Pi.

2) SD card (necessary)

Jetson Nano requires a minimum of 16G SD card, but the entire system will use about 13G, we will install some machine learning framework such as TensorFlow and may also install sample data min the future, 16G card is not enough. I think the minimum 32G card.

3) WLAN card (option)

The Jetson Nano is equipped with a Gigabit Ethernet card, but it takes a lot of trouble to connect the keyboard and mouse cable.

It is recommended to buy a PCI WLAN card or USB WLAN (occupy one USB port).

2.Burning system image

Method of Jetson Nano burning system is different from the Jetson TX series, and the image can be directly written to the SD file.

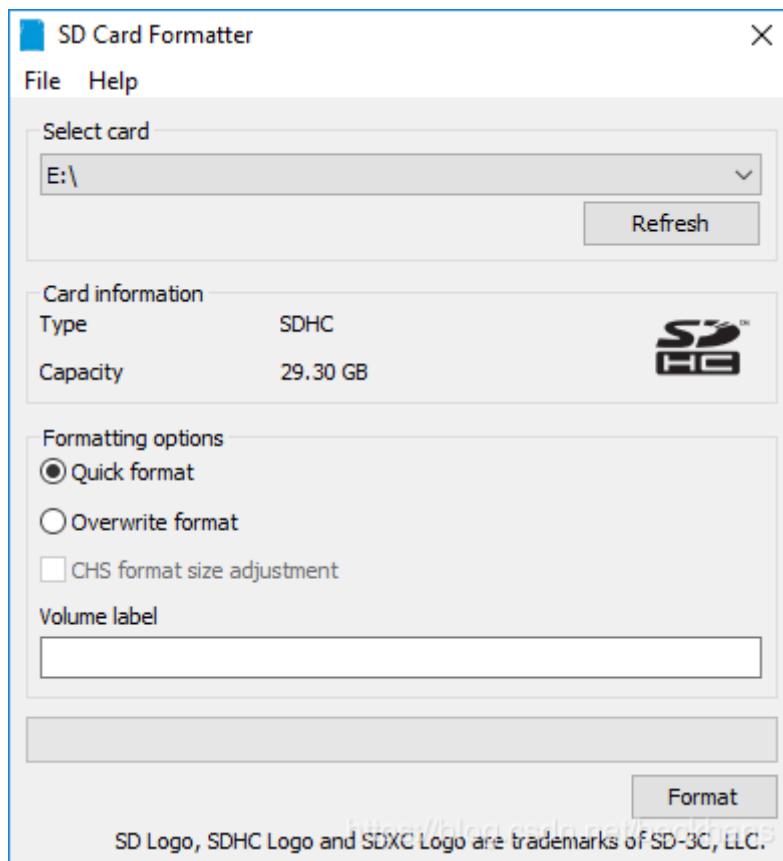
1)Download image

NVIDIA Link:

<https://developer.nvidia.com/embedded/downloads>

2)Format SD card

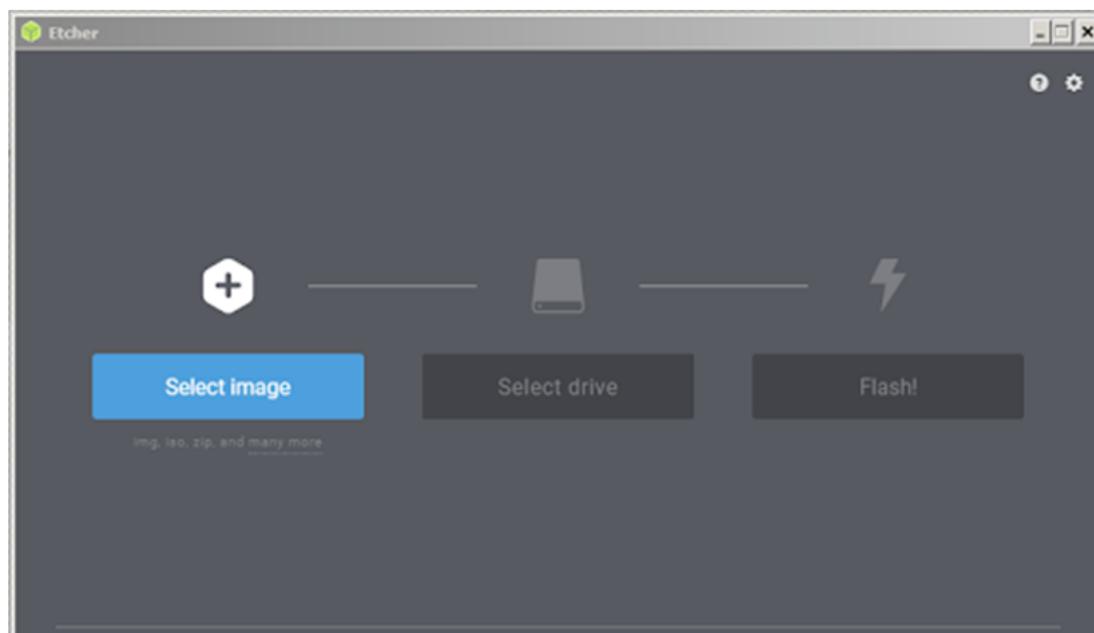
Format SD card by SD Card Formatter.exe

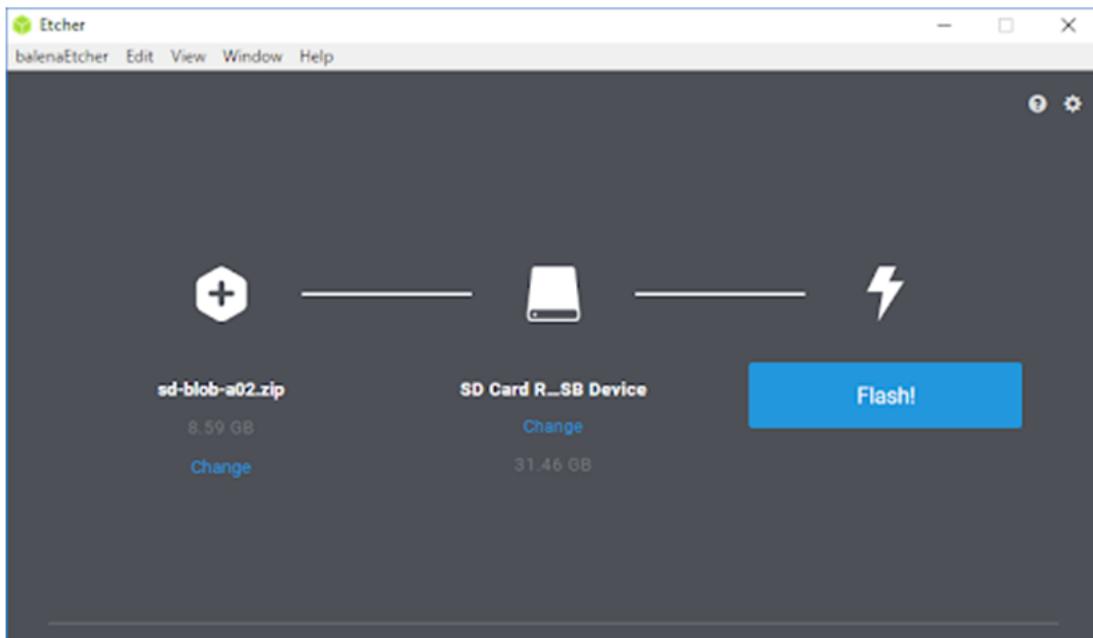


3. Burning image by balenaEtcher , about need 30 minute.

You also burning image by Win32 DiskImg

Link: <https://www.balena.io/etcher/>





4. After the programming is completed, insert the SD card into the Jetson Nano and turn it on.
5. We can complete some setting,for example:Language, time,etc.

