microSD Card Setup

Download the Jetson Nano Developer Kit SD Card Image, and note where it was saved on the computer.

Write the image to your microSD card by following the instructions below according to your computer's operating system: *Windows*, *macOS*, or *Linux*.

For Windows users

Download, **install**, and **launch** SD Memory Card Formatter for Windows.

| SD Card Formatter | × | | |
|--|-----------------|--|--|
| File Help | | | |
| Select card | | | |
| | \sim | | |
| | <u>R</u> efresh | | |
| Card information | | | |
| Capacity | | | |
| Capualty | | | |
| Formatting options | | | |
| | | | |
| Overwrite format | | | |
| CHS format size adjustment | | | |
| Volume label | | | |
| | | | |
| | | | |
| | | | |
| | Format | | |
| SD Logo, SDHC Logo and SDXC Logo are trademarks of SD-3C, LLC. | | | |

Last update: 2023/01/05 ip:ws2021:lets_plaiy:lab:basic_setup:microsd_setup https://student-wiki.eolab.de/doku.php?id=ip:ws2021:lets_plaiy:lab:basic_setup:microsd_setup&rev=1634468375 14:38

Select card drive, select **Quick format**, leave **Volume label** blank and click **Format** to start formatting, and **Yes** on the warning dialog.

| SD Card Formatter | r | | × |
|--|-------------------|---------------------------|-----------|
| <u>F</u> ile <u>H</u> elp | | | |
| Select card | | | |
| D:\-New Volume | | | |
| | | <u>R</u> efre | esh |
| Card information | | | |
| Туре | SDXC | 2 | 52 |
| Capacity | 59.48 GB | ر | ×C |
| Formatting options <u>O</u>uick format | | | |
| Overwrite format | | | |
| OHS format size ad | ljustment | | |
| Volume label | | | |
| | | | |
| | | | |
| | | | |
| | | F | ormat |
| SD Logo, SDH | C Logo and SDXC I | Logo are trademarks of SD | -3C, LLC. |

Download, install, and launch Etcher.

Use **Etcher** to write the Jetson Nano Developer Kit SD Card Image to your microSD card.

| 😂 Etcher | | | - 🗆 X |
|------------------|-----------------|-----|-------|
| | 🌍 balena Etcher | | ¢ 0 |
| ÷ | | - 4 | |
| Flash from file | | | |
| P Flash from URL | | | |
| 🕒 Clone drive | | | |
| | | | |
| | | | |
| | | | |

Click **Select image** and choose the zipped image file downloaded earlier.

Insert your microSD card if not already inserted. Click **Select drive** and choose the correct device.

| 🔋 Etche | r | | | | - | | × |
|---------|----------------------|-----------------------|----------|------------|---|---|---|
| | | | 🌍 balena | Etcher | | ۵ | ? |
| s | ele | cttarget 2 found | | | | | |
| | | Name | Size | Location | | | |
| | | SDXC SCSI Disk Device | 63.9 GB | D:\ | | | |
| ~ | Sho | w 1 hidden | | | | | |
| | | Cano | cel | Select (1) | | | |

Click **Flash!** It will <u>take Etcher about **10 minutes**</u> to write and validate the image if your microSD card is connected via USB3.



After Etcher finishes, Windows may let you know it doesn't know how to read the SD Card. Just click *Cancel* and remove the microSD card.

For Linux users

Download, install, and launch Etcher.



Click **Select image** and choose the zipped image file downloaded earlier.

| Cancel | | Searching | in Downloads | | Q | Open |
|-------------------|--------------|---------------|--------------|--------|-----------|----------|
| () Recent | | Q s | | | \otimes | |
| 습 Home | Name | | Location | Size | Туре | Modified |
| Desktop | 🔋 jetson-nan | o-jp46-sd-car | | 6.5 GB | Archive | 06:42 |
| 🗐 Documents | | | | | | |
| Downloads | | | | | | |
| 🞵 Music | | | | | | |
| Pictures | | | | | | |
| 🗄 Videos | | | | | | |
| + Other Locations | | | | | | |
| | | | | | OSI | mages 👻 |

Insert your microSD card. If you have no other external drives attached, Etcher will automatically select the microSD card as target device. Otherwise, click **Change** and choose the correct device.

| | Etcher | | - 😣 |
|-----------------|-----------------|---|-----|
| | 🜍 balena Etcher | | ¢ 0 |
| . | | 4 | |
| sd-blob-b01.img | Select target | | |
| Remove | | | |
| 13.7 GB | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Click **Flash!** Your OS may prompt for your username and password before it allows Etcher to proceed.

It will <u>take Etcher **10-15 minutes**</u> to write and validate the image if your microSD card is connected via USB3.

After Etcher finishes, eject the SD Card.

Physically remove microSD card from the computer.

