TF card expand capacity

This tutorial applies to motherboards that boot from either an SSD or SD card. All steps are the same!

Note:

- 1. The system image file provided by Yahboom is compressed to facilitate downloading and replacing drives of different capacities (TF cards, USB flash drives, SSDs, etc.). If the actual drive capacity does not match the actual drive, you can follow this tutorial to expand it.
- 2. This tutorial uses the Raspberry Pi board as a demonstration, and the RDK board is also applicable to this tutorial. The actual capacity of the TF card you receive will depend on the device you actually use.

GParted

GParted (Gnome Partition Editor) is a powerful graphical partition management tool, mainly used to manage disk partitions.

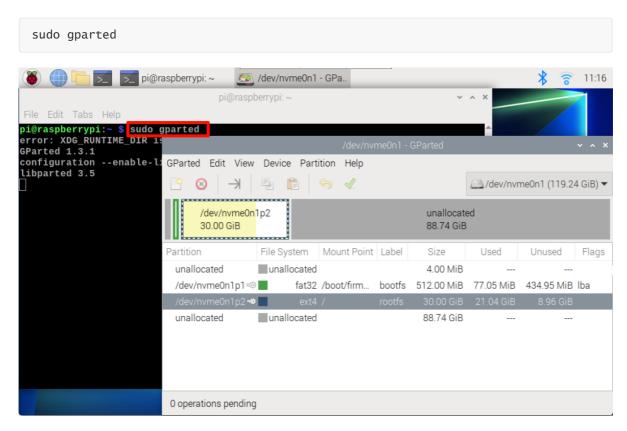
Linux systems can use this tool to manage disks

Install GParted

sudo apt install gparted

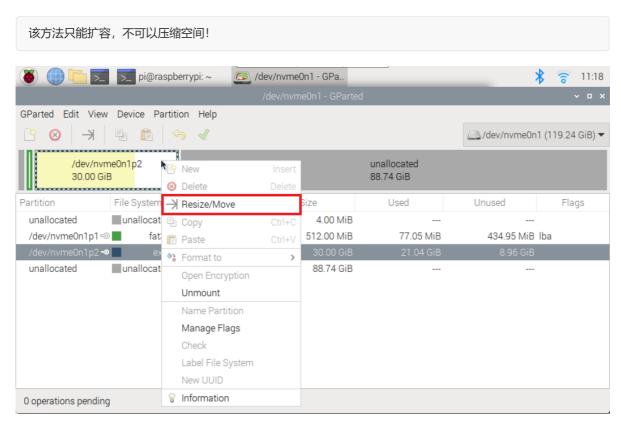
```
pi@raspberrypi: ~
                                                                                                                   * 71:15
 File Edit Tabs Help
pi@raspberrypi:~ $ sudo apt install gparted
Reading package lists... bone
Building dependency tree... Done
Reading state information... Done
The following packages were automatically installed and are no longer required:
libcamera0.1 libraspberrypi0 libssl1.1 libwpe-1.0-1 libwpebackend-fdo-1.0-1
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
   gparted-common
Suggested packages:
  dmraid gpart jfsutils kpartx mtools reiser4progs reiserfsprogs udftools
  xfsprogs
The following NEW packages will be installed: gparted gparted-common
0 upgraded, 2 newly installed, 0 to remove and 1 not upgraded.
Need to get 2,483 kB of archives.
After this operation, 8,638 kB of additional disk space will be used. Do you want to continue? [Y/n] y
Get:1 http://deb.debian.org/debian bookworm/main arm64 gparted-common all 1.3.1
1 [1,711 kB]
Get:2 http://deb.debian.org/debian bookworm/main arm64 gparted arm64 1.3.1-1 [77
2 kB]
Fetched 2,483 kB in 2s (1,392 kB/s)
Selecting previously unselected package gparted-common.
```

Start GParted

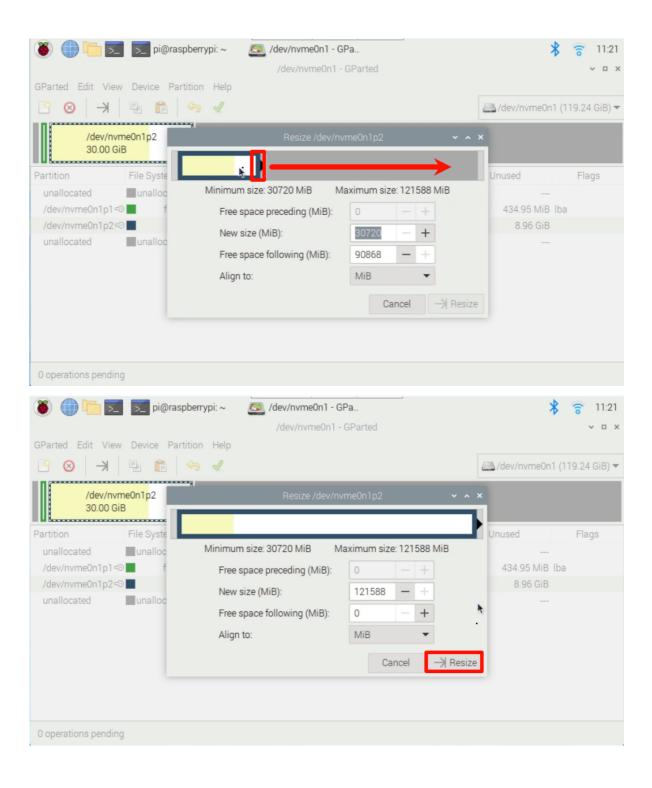


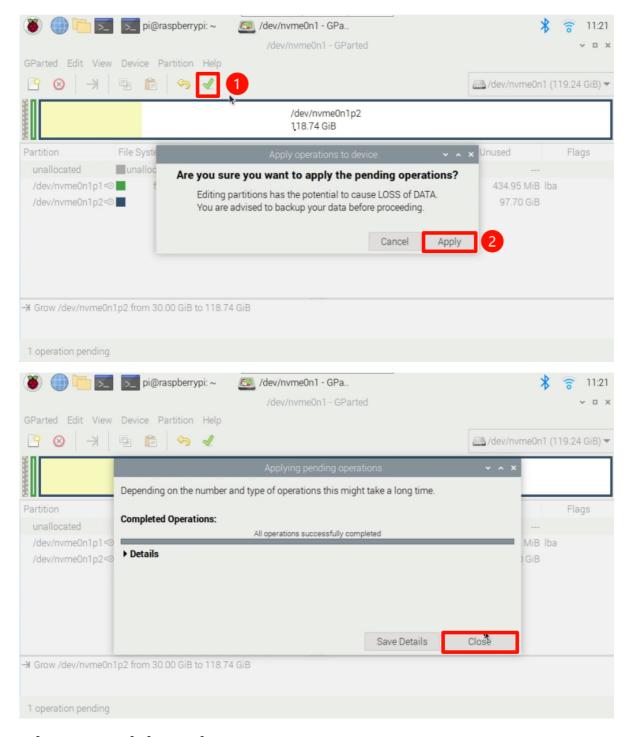
Expand capacity

Right click on the disk(TF card) to allocate space and select "Resize/Move" to adjust the partition.



Drag the slider to adjust the partition:





View partition size

After completing the disk(TF card) expansion, the newly allocated disk space can be seen in the system.

