

Introduction to Jetson Nano System and Desktop

1. Insert the SD card/USB drive into the Jetson nano and turn on the computer to see the graphical interface, as shown in the following figure



2. Version information of this system

```
jtop MAXN|CPU 30.9%|GPU 0.0%
jtop 4.2.0 - (c) 2023, Raffaello Bonghi [raffaello@rnext.it]
Website: https://rnext.it/jetson_stats

Platform
Machine: aarch64
System: Linux
Distribution: Ubuntu 18.04 Bionic Beaver
Release: 4.9.253-tegra
Python: 3.6.9

Serial Number: [s|XX CLICK TO READ XX
Hardware
Model: NVIDIA Jetson Nano Developer
699-level Part Number: 699-13448-000
P-Number: p3448-0000
BoardIDs: p3448
Module: NVIDIA Jetson Nano (4 GB ram
SoC: tegra210
CUDA Arch BIN: 5.3
Codename: Porg
L4T: 32.7.1
Jetpack: 4.6.1

Libraries
CUDA: 10.2.300
cuDNN: 8.2.1.32
TensorRT: 8.2.1.8
VPI: 1.2.3
Vulkan: 1.2.70
OpenCV: 4.1.1 with CUDA: NO

Hostname: yahboom
Interfaces
wlan0: 192.168.2.68
docker0: 172.17.0.1

1ALL 2GPU 3CPU 4MEM 5ENG 6CTRL 7INFO Quit (c) 2023, RB
```

可以看到

- Ubuntu18.04 (64 bit system)
- CUDA: 10.2
- CUDNN:8.2.1.32
- TensorRT:8.2.1.8
- OPENCV: 4.1.1
- jetpack:4.6.1

If you want to build the environment from scratch, you must maintain the same Jetpack version as us, otherwise an error will be reported based on the case we provide