

# xavier nx

- [xavier NX 8GB - P3668-0001](#)
- [Instructions](#)

Download docker image ubuntu 20.04 from <https://developer.nvidia.com/nvidia-sdk-manager>

```
docker load -i ./sdkmanager-1.8.2.10409-Ubuntu_20.04_docker.tar.gz
docker tag sdkmanager:1.8.2.10409-Ubuntu_20.04 sdkmanager:latest
```

on host install qemu-user-static

[download](#)

```
paru -S qemu-user-static
```

```
docker compose run --entrypoint bash sdkmanage
```

[download](#)

```
# inspect
sdkmanager --query

# tegra link
ln -s
~/nvidia/nvidia_sdk/JetPack_5.0.2_Linux_JETSON_XAVIER_NX_TARGETS/Linux_
for_Tegra/ ~/tegra

# download
sdkmanager --cli downloadonly --logintype devzone --product Jetson --
version 5.0.2 --targetos Linux --host --target JETSON_XAVIER_NX_TARGETS
--select 'Jetson Linux' --deselect 'Jetson SDK Components' --license
accept --staylogin true --datacollection disable

# build
# if error occurred reset with
# sudo rm -fR ~/nvidia ~/.nvsdkm
sdkmanager --cli install --logintype devzone --product Jetson --version
5.0.2 --targetos Linux --host --target JETSON_XAVIER_NX_TARGETS --
select 'Jetson Linux' --deselect 'Jetson SDK Components' --license
accept --staylogin true --exitonfinish --datacollection disable --
offline --downloadfolder ~/Downloads/nvidia/sdkm_downloads/ --flash
skip

# avoid oem dialog
sudo apt install -y wget
```

```
cd ~/tegra
wget
https://wiki.csgalileo.org/_media/projects/internetofthings/l4t_create_
default_user.tar.gz -O - | tar xzv
sudo ./l4t_create_default_user.sh -u ubuntu -p ubuntu

# flash
```

From:  
<https://wiki.csgalileo.org/> - **Galileo Labs**

Permanent link:  
<https://wiki.csgalileo.org/projects/internetofthings/xavier-nx?rev=1663348904>

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