

Get started quickly

Get started quickly

1. First start
 - 1.1. Start the system
 - 1.2. Solid-state expansion
2. System environment
 - 2.1. Basic information
 - 2.2. Jupyter Lab
 - 2.3. Label Studio
 - 2.4. Access Docker
 - 2.5. Open WebUI
3. Notes

1. First start

1.1. Start the system

After installing the SSD, network card, antenna and DP data cable (connect to the monitor) on the motherboard, you can use the matching DC power adapter to start the motherboard system.

The Jetson Orin series motherboard needs to be connected to a monitor to display the system desktop normally. For the first use, it is recommended that users use an external monitor and configure VNC remotely.

Note: According to user feedback, some users can use graphics card cheaters and virtual desktops to achieve VNC remote, which is not within the scope of the tutorial!

1.2. Solid-state expansion

After the system is turned on, since we compress the image at the factory, you can expand the solid-state capacity according to [**Chapter 2 Jetson basic course: SSD expansion**]

Remarks:

Start the factory image: suitable for beginners, you can experience each case without setting up the environment yourself!

Pure system image: suitable for developers, requires certain development experience, and the environment setting process requires independent problem-solving capabilities!

2. System environment

2.1. Basic information

System username: jetson

System password: yahboom

2.2. Jupyter Lab

Host access: <http://localhost:8888/>

LAN access: <http://motherboard> IP:8888/

Access password: yahboom

2.3. Label Studio

Host access: <http://localhost:8080/>

LAN access: <http://motherboard> IP:8080/

Access account: yahboom@163.com

Access password: yahboom@163.com

2.4. Access Docker

ROS1 environment is located in Docker:

```
sh ~/ros_melodic.sh
```

2.5. Open WebUI

Host access: <http://localhost:8080/>

LAN access: <http://motherboardIP:8080/>

Access username: yahboom

Access email: yahboom@163.com

Access password: yahboom

3. Notes

- Label Studio and Open WebUI occupy the same port. If you run one of the containers, you need to ensure that the other is closed!
- Due to the iteration of software versions and different user environments, we cannot ensure that everyone can successfully build the environment, but the only thing we can provide is a complete system image. If users encounter environmental problems and cannot solve them by themselves, please use the factory image we provide to learn the tutorial.