Accessories introduction

1. Jetson Nano SUB 4G version
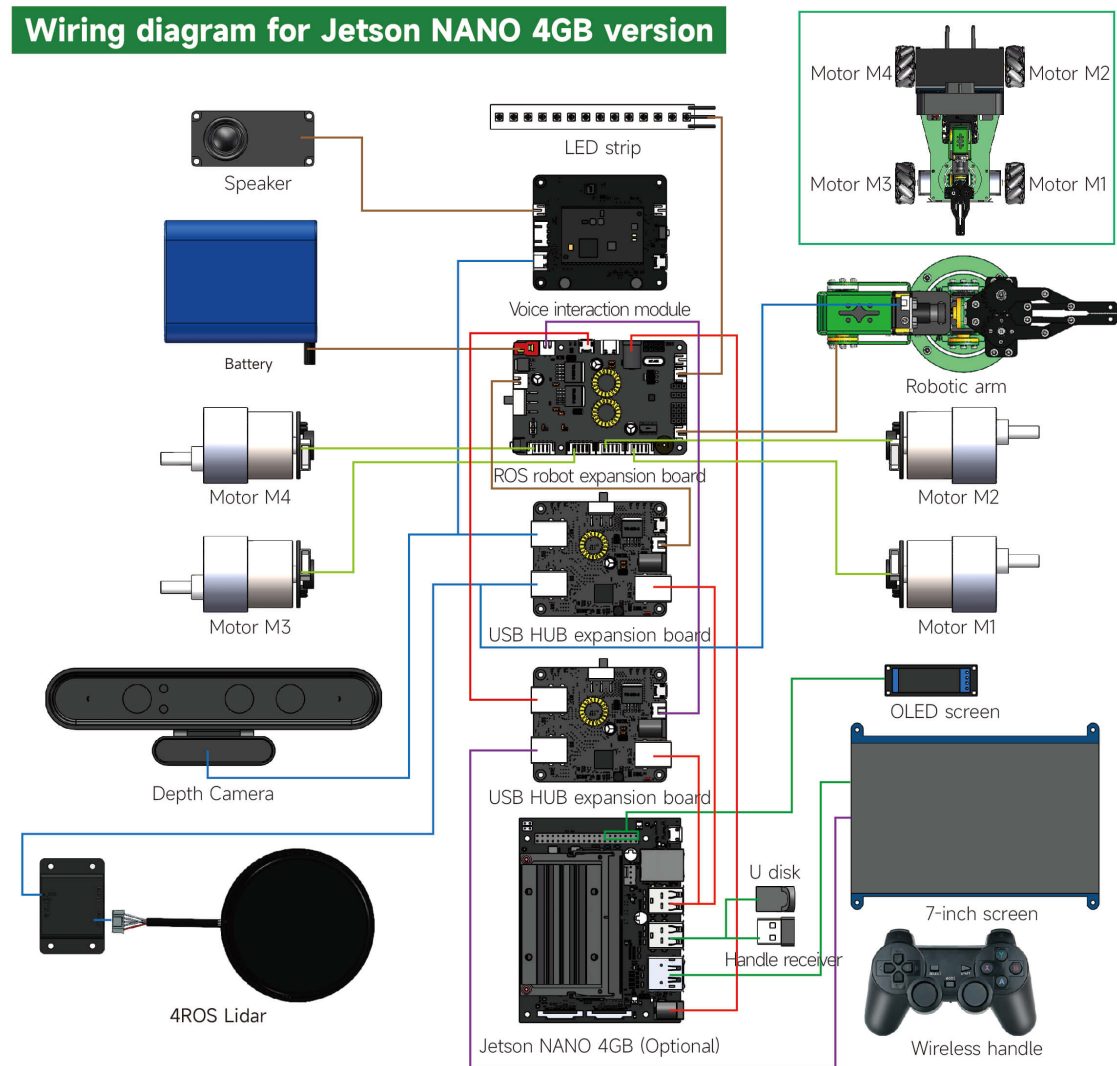
Wiring diagram for Jetson NANO 4GB version

Speaker

LED strip

Voice interaction module

Battery

Motor M4

ROS robot expansion board

Motor M3

USB HUB expansion board

Depth Camera

USB HUB expansion board

4ROS Lidar

Jetson NANO 4GB (Optional)

Motor M4
Motor M2
Motor M3
Motor M1

Robotic arm

Motor M2

Motor M1

OLED screen

U disk

7-inch screen

Handle receiver
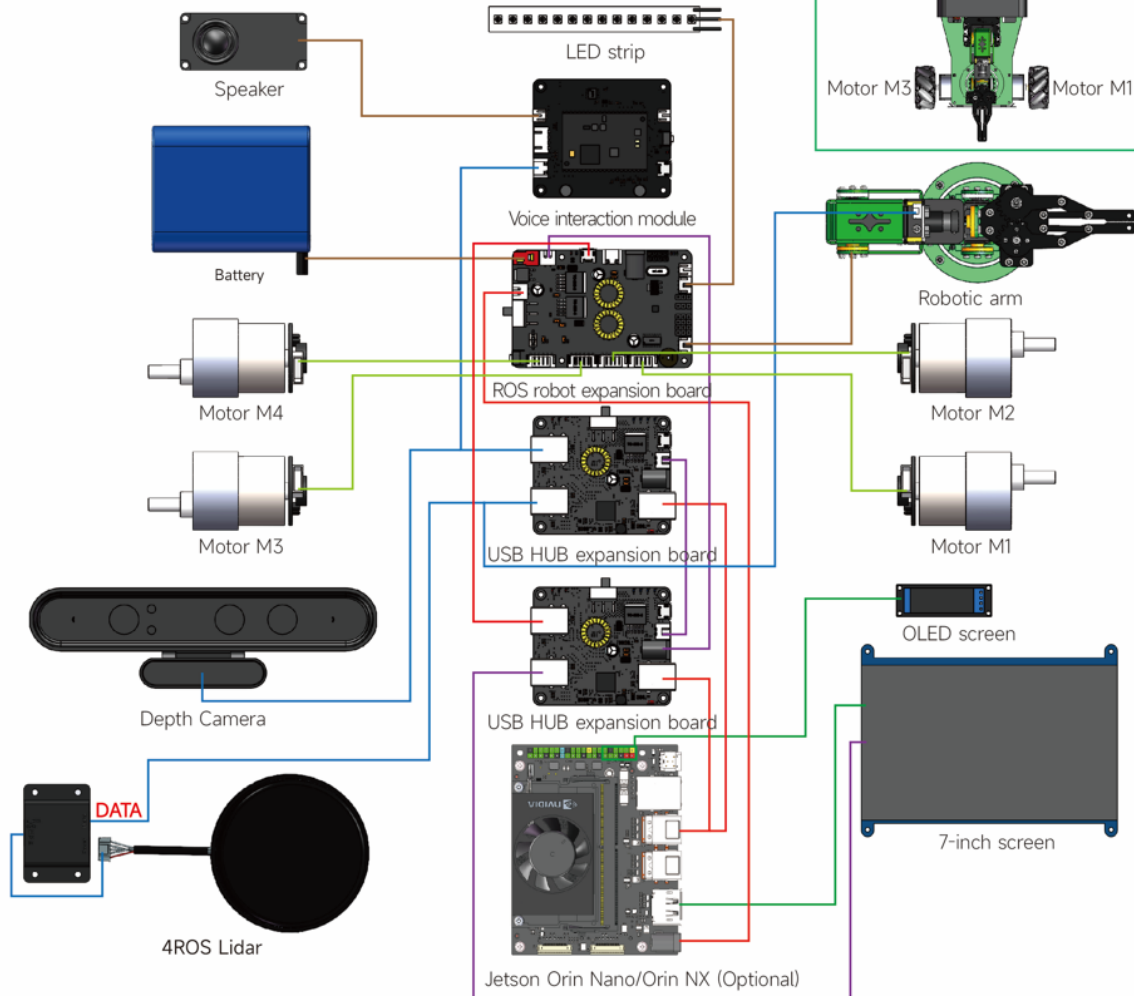
Wireless handle

* The voice interaction module can only be used normally after binding the port according to the tutorial [Voice control courses --->Voice control module port binding].
If only the voice module is connected but the port is not bound, the APP control program will not be able to start normally.
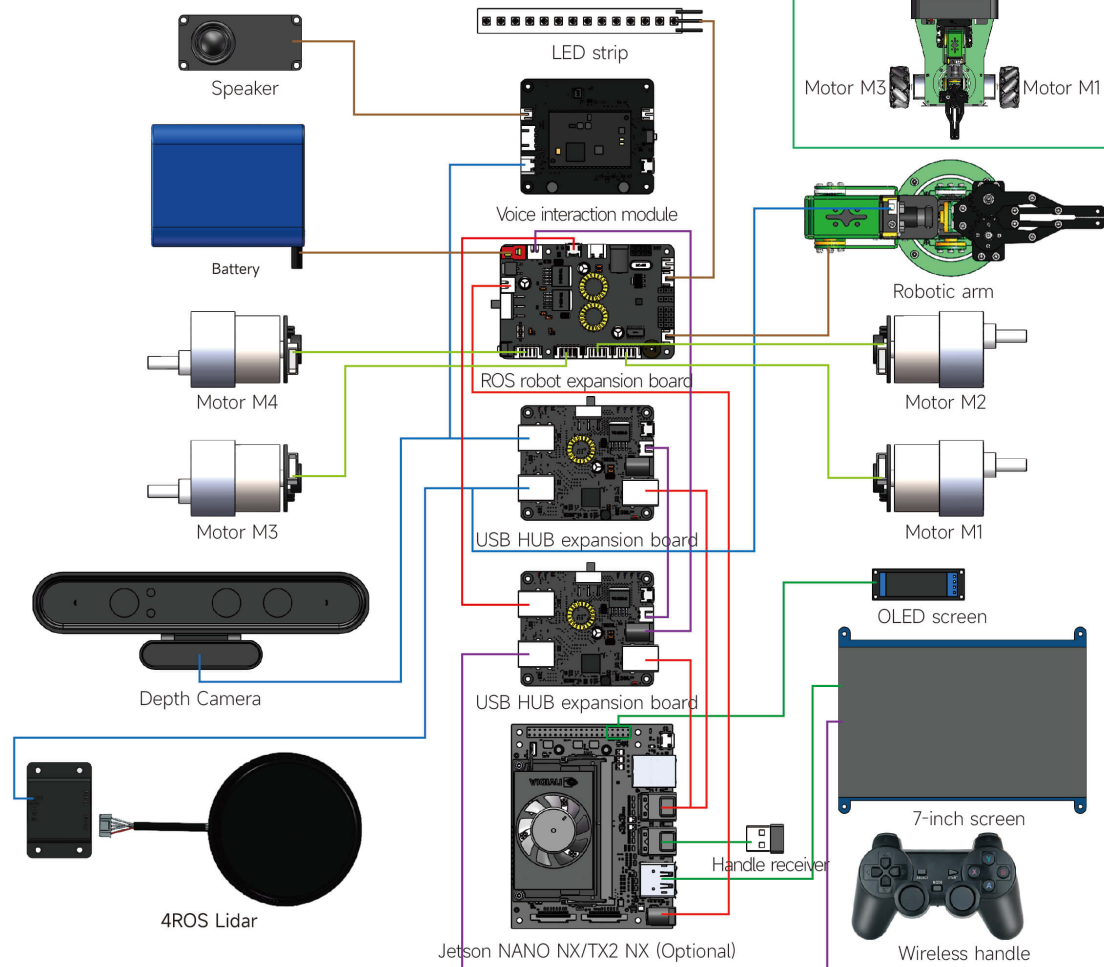
3.Jetson ORIN NX/Orin NANO version

Wiring diagram for Jetson Orin Nano/Orin NX version

Speaker

LED strip

Motor M4   Motor M2

Motor M3   Motor M1

Battery

Voice interaction module

Robotic arm

Motor M4

ROS robot expansion board

Motor M2

Motor M3

USB HUB expansion board

Motor M1

Depth Camera

USB HUB expansion board

OLED screen

DATA

Jetson Orin Nano/Orin NX (Optional)

7-inch screen

4ROS Lidar

* The voice interaction module can only be used normally after binding the port according to the tutorial [Voice control courses --->Voice control module port binding].
  If only the voice module is connected but the port is not bound, the APP control program will not be able to start normally.
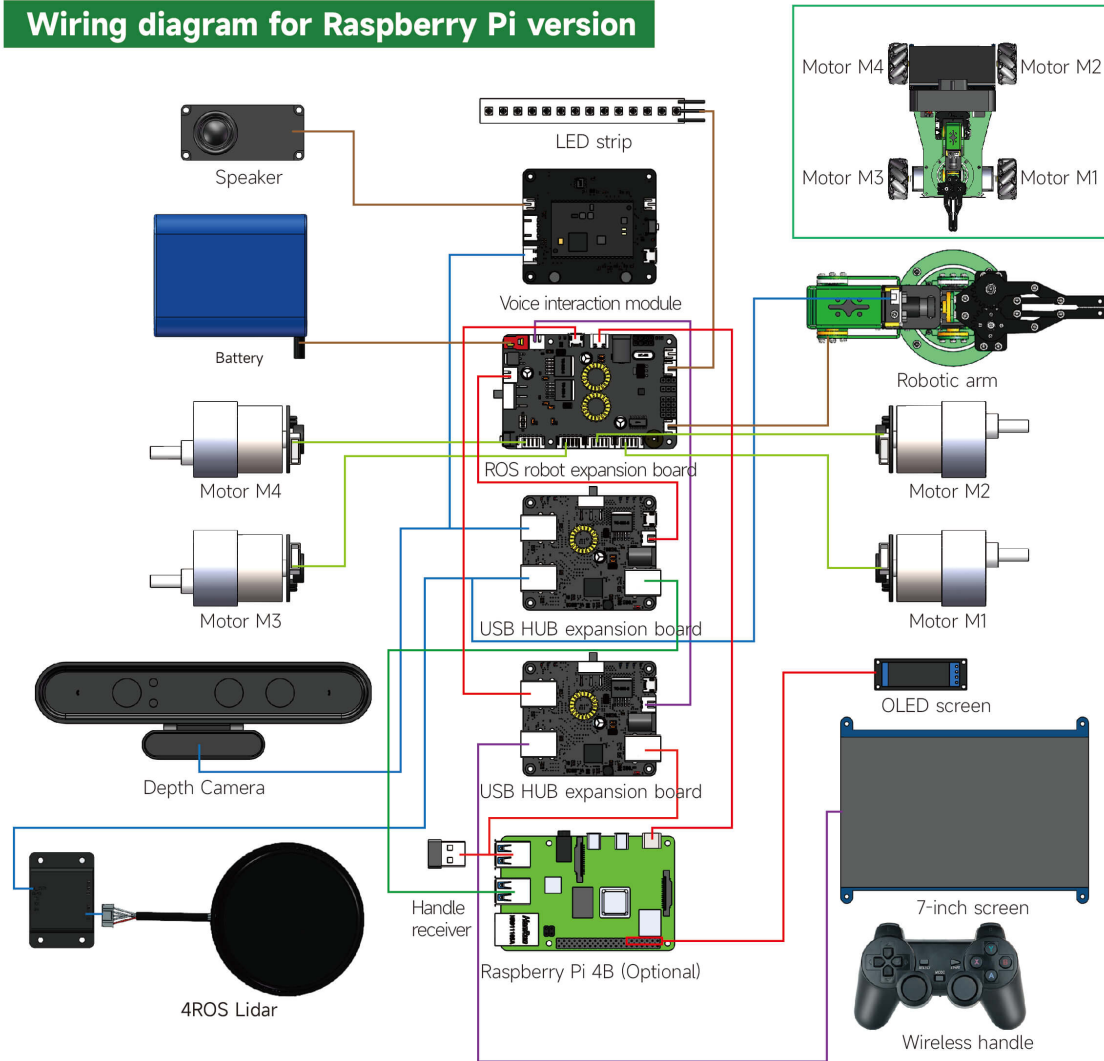
2. Jetson XAVIER NX/TX2-NX version

Wiring diagram for Jetson XAVIER NX/TX2 NX version

Motor M4
Motor M2
Motor M3
Motor M1

Speaker

LED strip

Voice interaction module

Battery

Robotic arm

Motor M4

ROS robot expansion board

Motor M2

Motor M3

Motor M1

USB HUB expansion board

OLED screen

Depth Camera

USB HUB expansion board

7-inch screen

4ROS Lidar

Jetson NANO NX/TX2 NX (Optional)

Handle receiver

Wireless handle

* The voice interaction module can only be used normally after binding the port according to the tutorial [Voice control courses --->Voice control module port binding].
If only the voice module is connected but the port is not bound, the APP control program will not be able to start normally.

3. Raspberry Pi 4B version

Wiring diagram for Raspberry Pi version

Speaker

LED strip

Voice interaction module

Battery

Motor M4

Motor M3

ROS robot expansion board

USB HUB expansion board

Depth Camera

USB HUB expansion board

Handle receiver

4ROS Lidar

Raspberry Pi 4B (Optional)

Motor M4

Motor M2

Motor M3

Motor M1

Robotic arm

Motor M2

Motor M1

OLED screen

7-inch screen

Wireless handle

* The voice interaction module can only be used normally after binding the port according to the tutorial [Voice control courses --->Voice control module port binding].
  If only the voice module is connected but the port is not bound, the APP control program will not be able to start normally.