

**Fanless box pc**

**AIB-3588**

**User' s Guide**  
**V1.1**



### Version History

Time	Version	Purpose	Author	Comment
2025. 04. 22	1. 1	establish		

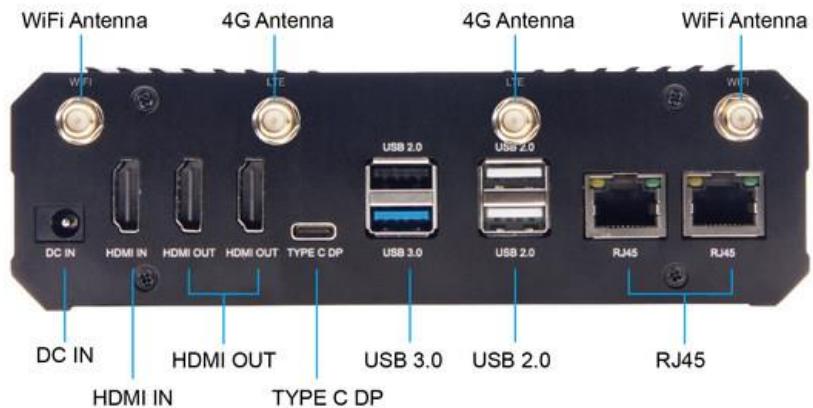
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## 1. Product Features

- (I) Support 32 channels 1080P 30FPS, support 8K video editing and decoding.
- (II) Supports LPDDR up to 32GB and EMMC up to 512GB.
- (III) Supports HDMI IN video input and USB camera combination.
- (IV) Support Dual HDMI Output and DP Out(Through Type-C).
- (V) Support TYPE-C/USB3.0/USB2.0/GPIO/CAN/RS485/RS232/TTL peripheral interfaces.
- (VI) Support M.2/SATA3.0/ GTIOT/SPI/ I2C/UART/USB2.0 and other internal expansion
- (VII) Support Dual Gigabit wired network port with optional POE power supply, and at the same time can support 2.4G/5G dual-band wifi and Bluetooth.
- (VIII) Support multiple operating systems: Android13 & Debian11 & Ubuntu
- (IX) Built-in watchdog and RTC battery can support 7\*24 hours stable operation.
- (X) Support 4G/5G LTE/Zigbee communication module (optional).

## 2. external interface

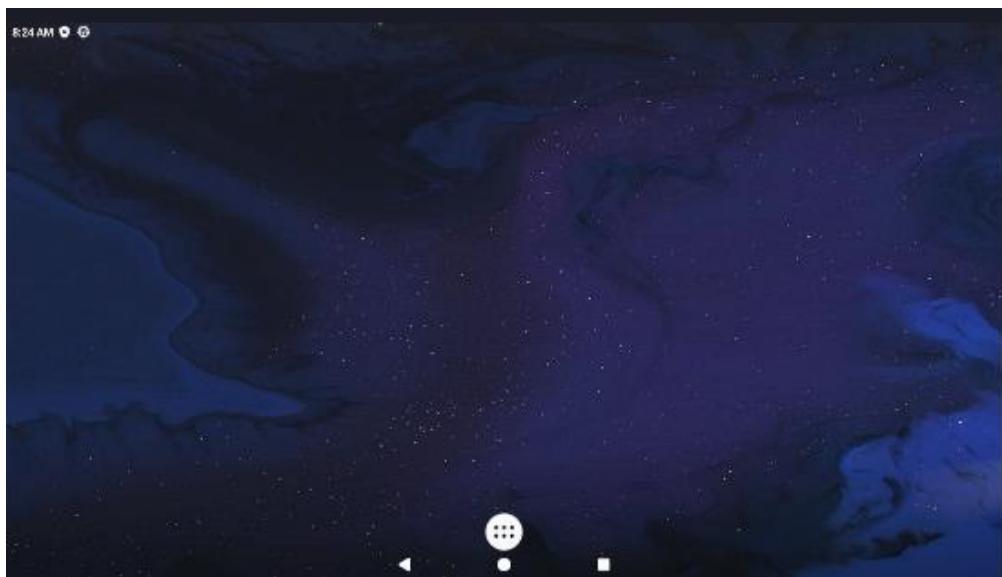


### 3. Setup Connection

1. Place the AIB-3588 on a flat surface near the computer, ensuring that nothing obstructs the remote control signal.
2. The device will power on automatically and go to the homepage.
3. When powered on, the screen will display the software version information.

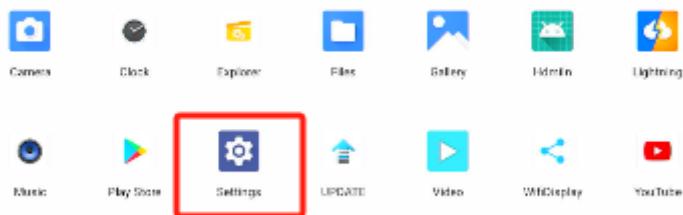


Home Screen display.



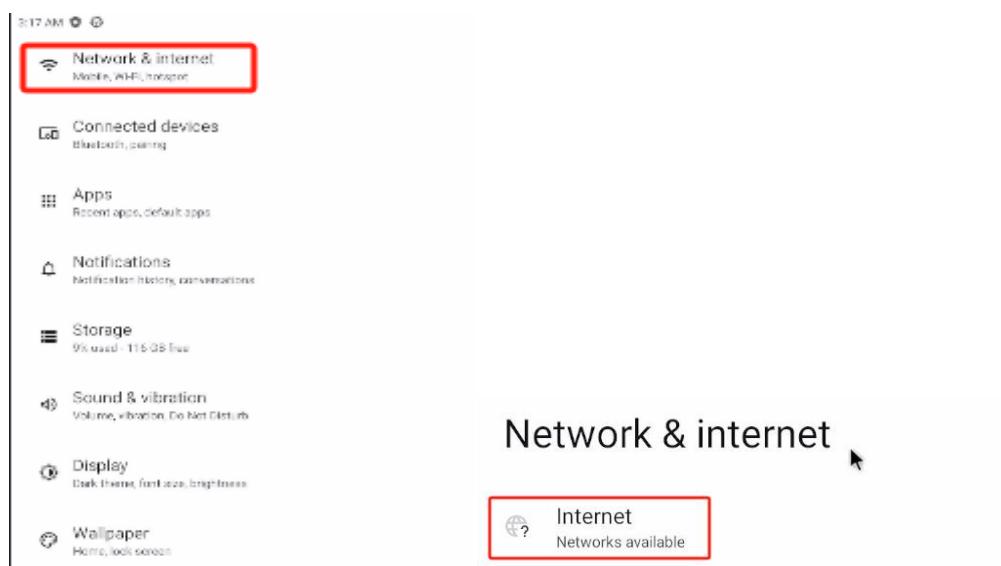
## 4.Settings

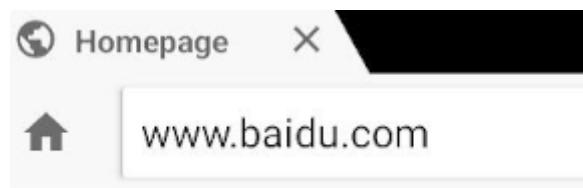
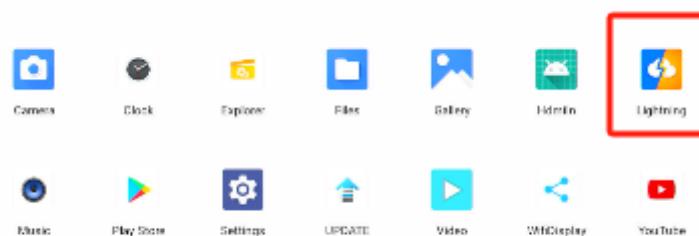
- 1.Click on  the icon to access the Features home page.
- 2.Locate the Settings bar to proceed with further configurations.



## 5.WIFI

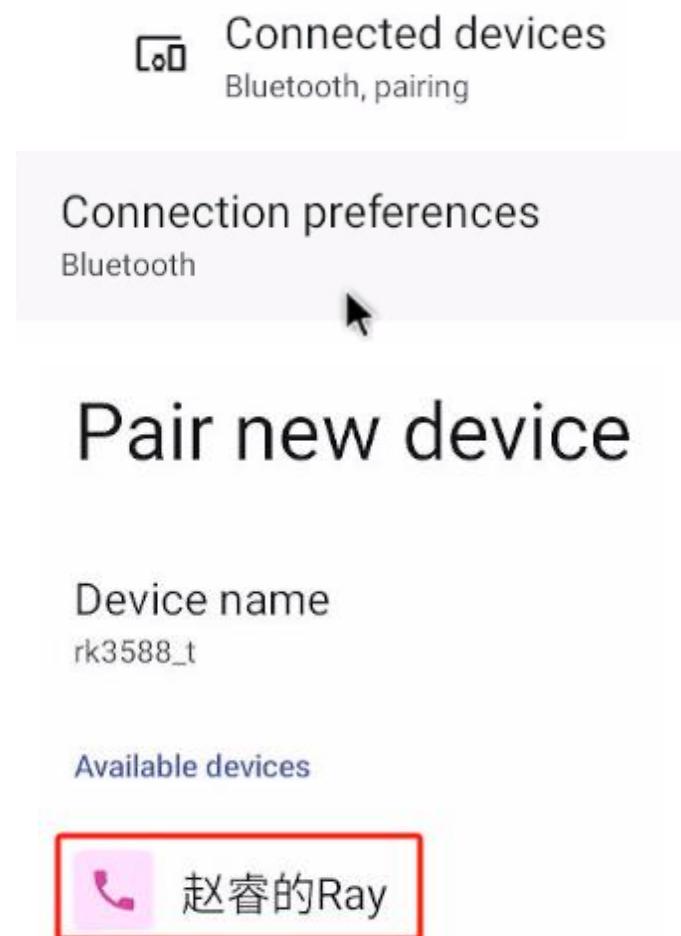
- 1.Click on "Settings" and navigate to "Network & Internet".
- 2.Connect to the desired network and ensure that the network is available and stable.
- 3.Open a web browser and enter [www.baidu.com](http://www.baidu.com) to verify that the network is functioning properly.





## 6.Bluetooth

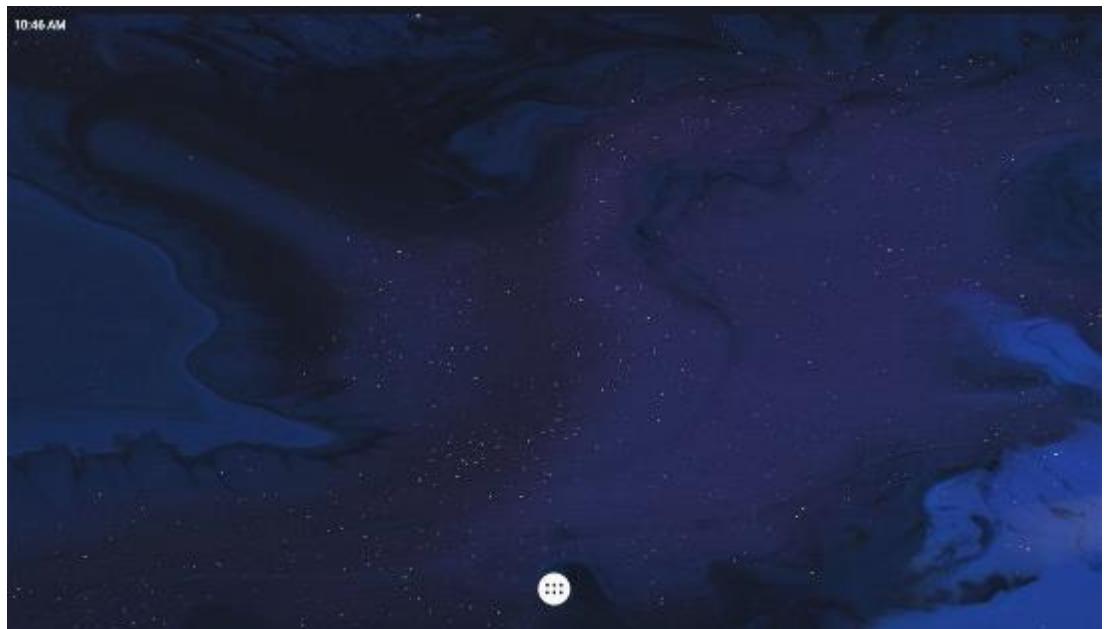
- 1.Go to "Connected devices" and turn on Bluetooth.
- 2.Pair the devices and ensure the connection is successful.
- 3.On your phone, initiate a file transfer to verify that Bluetooth is functioning properly.



## 7.HDMI

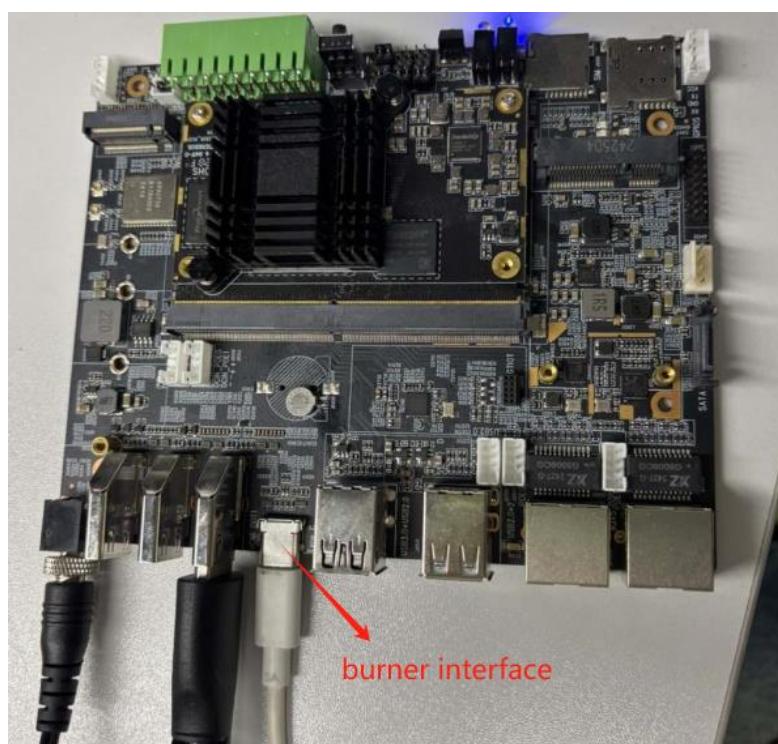
- 1.Verify HDMI IN and HDMI OUT (OUT1) simultaneously.
- 2.Connect the HDMI IN source and ensure the input signal is detected.
- 3.Connect the monitor to HDMI OUT (OUT1) and check if the screen casting is displayed correctly.
- 4.Confirm that the output signal is received on the monitor, ensuring HDMI functionality is working normally.





## 8.Type-C DP

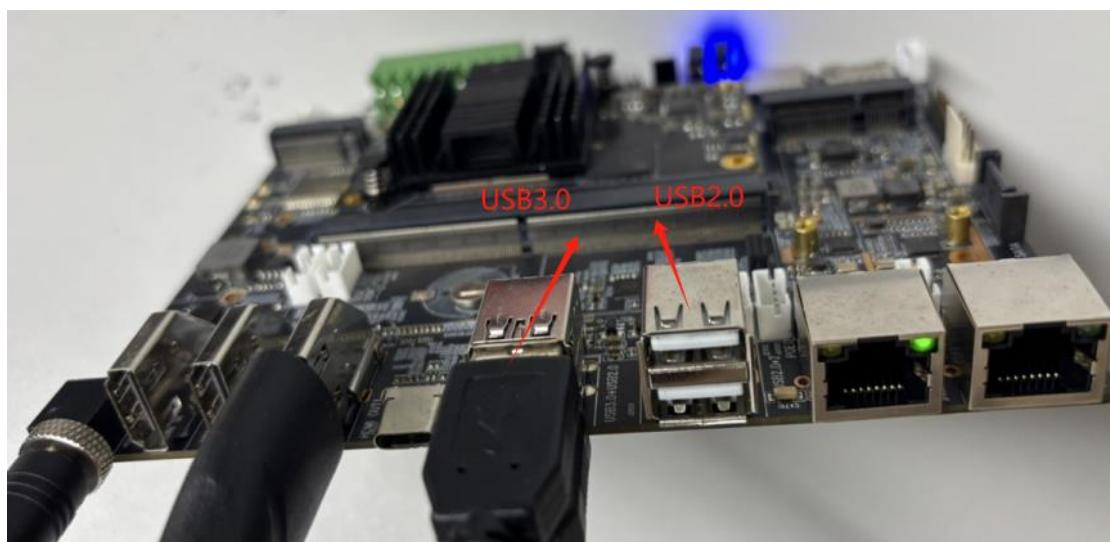
- 1.Connect the Type-C burn-in interface to the device.
- 2.Hold down the burn-in button while plugging in the Type-C cable.
- 3.Connect the power supply to initiate the process.
- 4.Wait for the device to enter the burn-in interface.

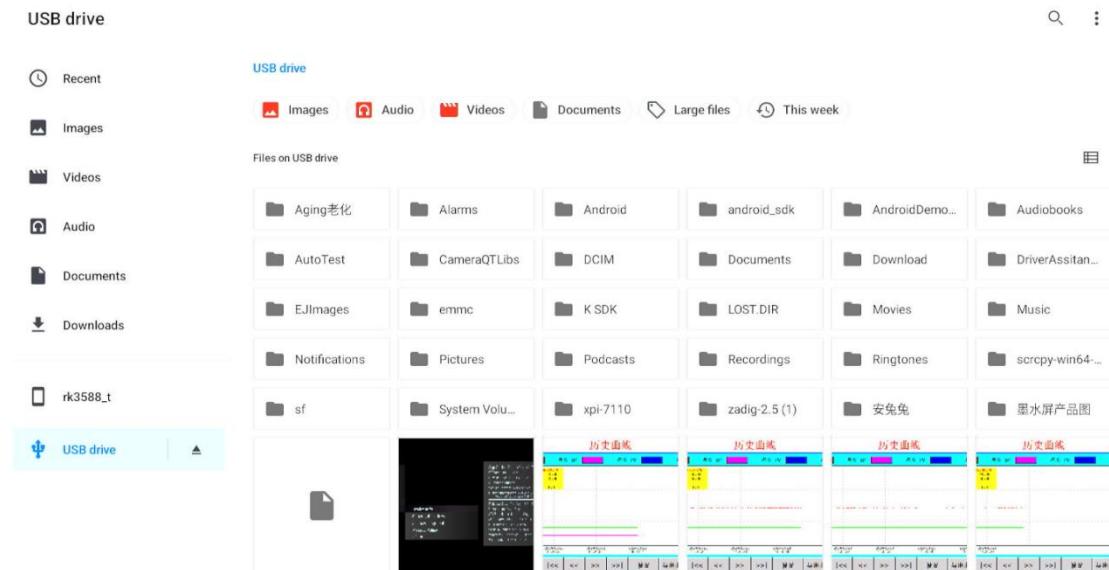




## 9. USB2.0/3.0

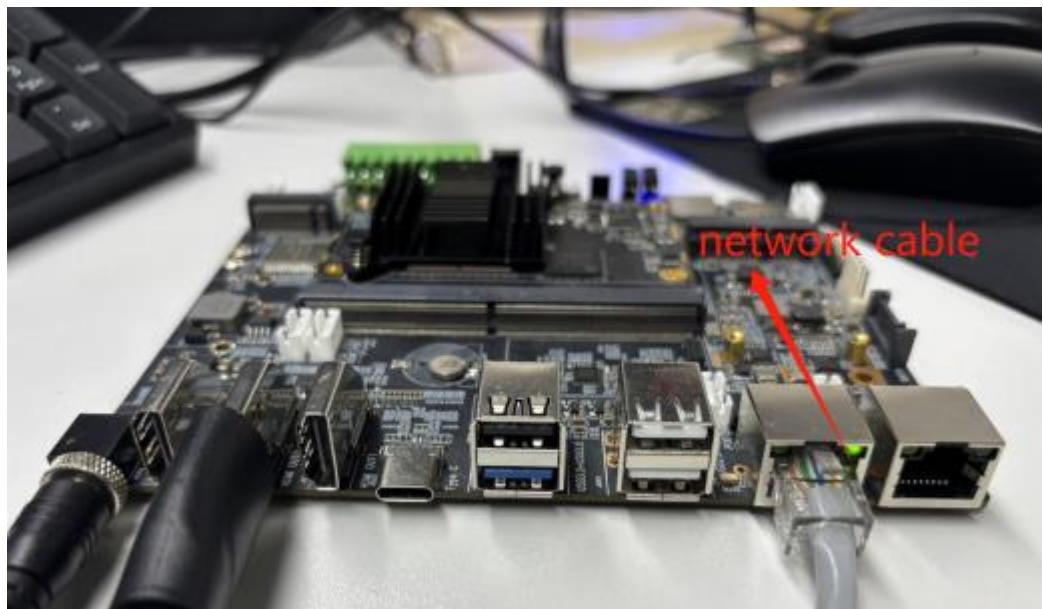
1. Connect a wired mouse and keyboard to the USB 2.0 and USB 3.0 ports, and verify that both devices function properly.
2. Insert a USB flash drive into the USB port, ensure it is automatically mounted, and open files to confirm the USB interface is working normally.





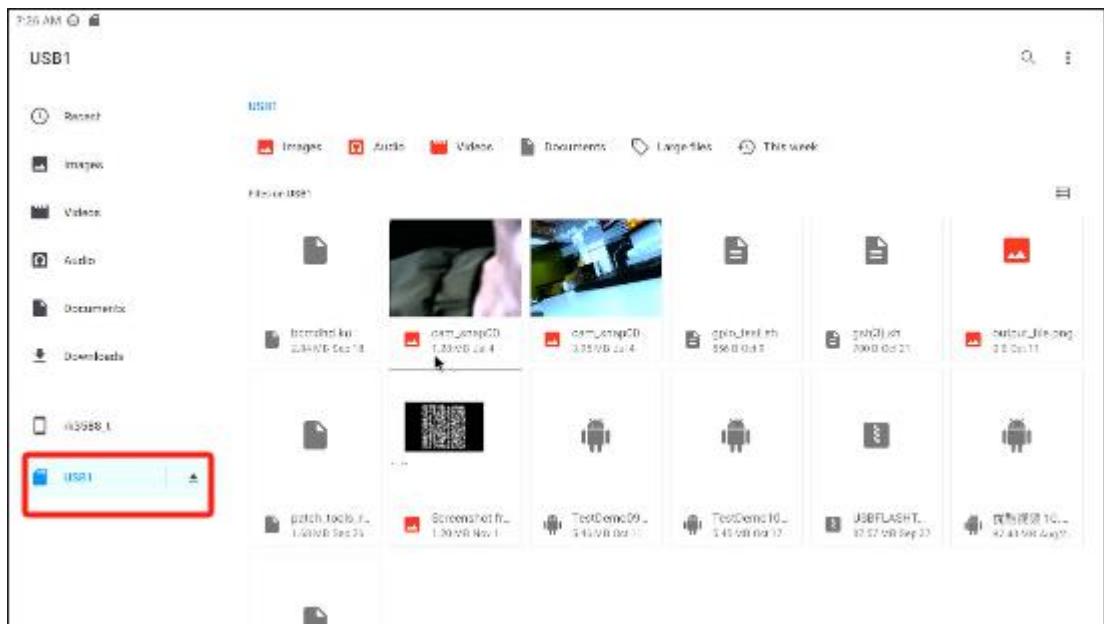
## 10. RJ45 Port Verification

1. Connect the network cable to the RJ45 dual-network port.
2. Check the network port status:
  - 2.1 Orange blinking light indicates Gigabit connection.
  - 2.2 Green light indicates 100 Megabit connection.
3. Open the system browser or Lightning APP, visit [www.baidu.com](http://www.baidu.com), and verify that the network is functioning normally.



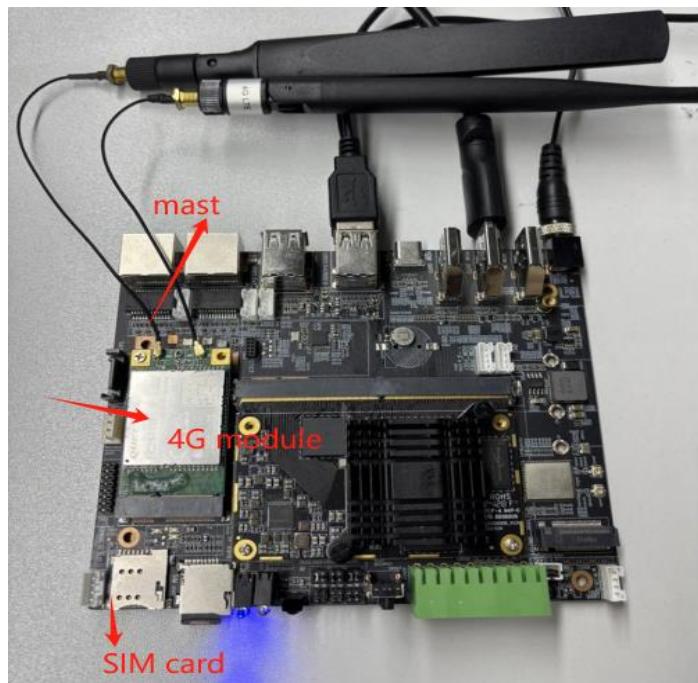
## 11.TFcard

- 1.Insert the TF card and ensure it is automatically recognized by the device.
- 2.Go to the home page and open the Files application.
- 3.Locate the TF card storage and verify that its contents are accessible and displayed correctly



## 12.SIM card

- 1.Connect the 4G module and install the antenna to ensure stable signal reception.
- 2.Insert the SIM card and return to the home page.
- 3.Go to Settings > Network & Internet and check the internet status to confirm the SIM card is recognized.
- 4.Open the Lightning APP, visit [www.baidu.com](http://www.baidu.com), and verify that the network is functioning normally.



## Network & internet



### FCC Warning

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.