Industrial Tablet

P100 User Manual

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Chapter 1 Product Intro

1.1 Intro

The Chainway P100 is a cutting-edge 5G industrial tablet featuring a 10.95" high-brightness HD display and an optional 2.6GHz octa-core CPU for enhanced user experience and extended product lifecycle. The chipset integrates AI computing capabilities, unlocking the potential of artificial intelligence to improve the accuracy and efficiency of tasks like decoding, speech recognition, and image recognition. Its robust 10,000mAh removable battery ensures continuous operations, while Wi-Fi 6 with fast roaming and 2x2 MIMO antennas enables seamless data transmission.

1.2 Precaution before using battery

- Do not leave battery unused for long time, no matter it is in device or inventory. If battery has been used for 6 months already, it should be check for charging function or it should be disposed correctly.
- The lifespan of Li-ion battery is around 2 to 3 years, it can be circularly charged for 300 to 500 times. (One full battery charge period means completely charged and completely discharged.)
- When Li-ion battery is not in used, it will continue discharge slowly. Therefore, battery charging status should be checked frequently and take reference of the related battery charging information on the manuals.

- Observe and record the information of a new unused and non-fully charged battery. On the basis of operating time of new battery and compare with a battery that has been used for long time. According to product configuration and application program, the operating time of battery would be different.
- Check battery charging status at regular intervals.
- When battery operating time drops below about 80%, charging time will be increased remarkably.
- If a battery is stored or otherwise unused for an extended period, be sure to follow the storage instructions in this document. If you do not follow the instructions, and the battery has no charge remaining when you check it, consider it to be damaged. Do not attempt to recharge it or to use it. Replace it with a new battery.
- Store the battery at temperatures between 5 °C and 20 °C (41 °F and 68 °F).

1.3 Charger

The charger output voltage/current is 9V /3A. Please use original adaptor only.

1.4 Notes

Note:
Using the incorrect type battery has danger of explosion.
Please dispose the used battery according to instructions.

Note:
Due to the used enclosure material, the product shall only be connected to a USB Interface of version 2.0 or higher. The connection to so called power USB is prohibited.

Note:
The adapter shall be installed near the equipment and shall be easily accessible.

Note:
The suitable temperature for the product and accessories is 0-10℃ to 50℃.

Note:
CAUTION RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

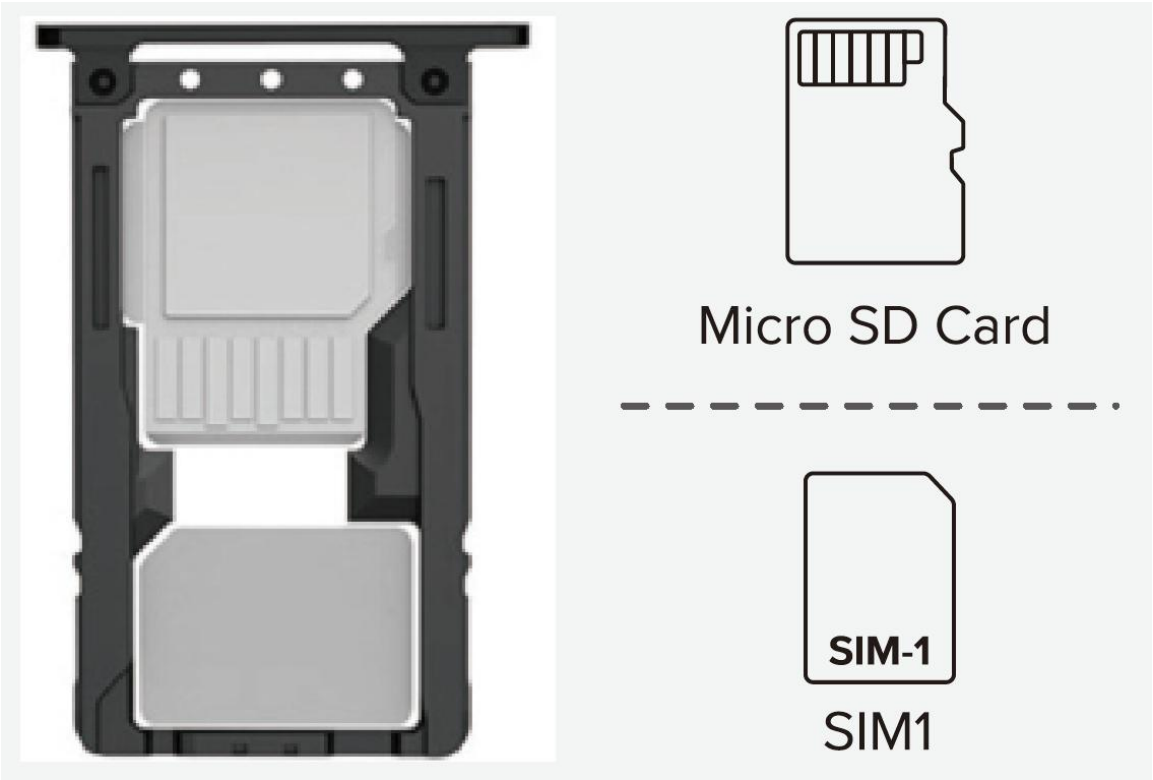
Chapter 2 Installation instructions

2.1 Appearance

NFC
产品名称：多功能平板
产品型号：P100
电池容量：10000mAh
输　　入：9V⎓3A 5V⎓3A
制 造 商：深圳市成为信息股份有限公司
产　　地：中国深圳

2.2 Install Micro SD and SIM cards

The cards sockets are showing as follows:



2.3 Battery charge

By using USB Type-C contact, the original adaptor should be used for charging the device. Make sure not to use other adaptors to charge the device.

Chapter 3 Call function

3.1 Calling numbers

1. Click icon .
2. Click number key to input phone numbers.
3. Click icon to call.
4. Click icon to end call.

3.2 Contacts

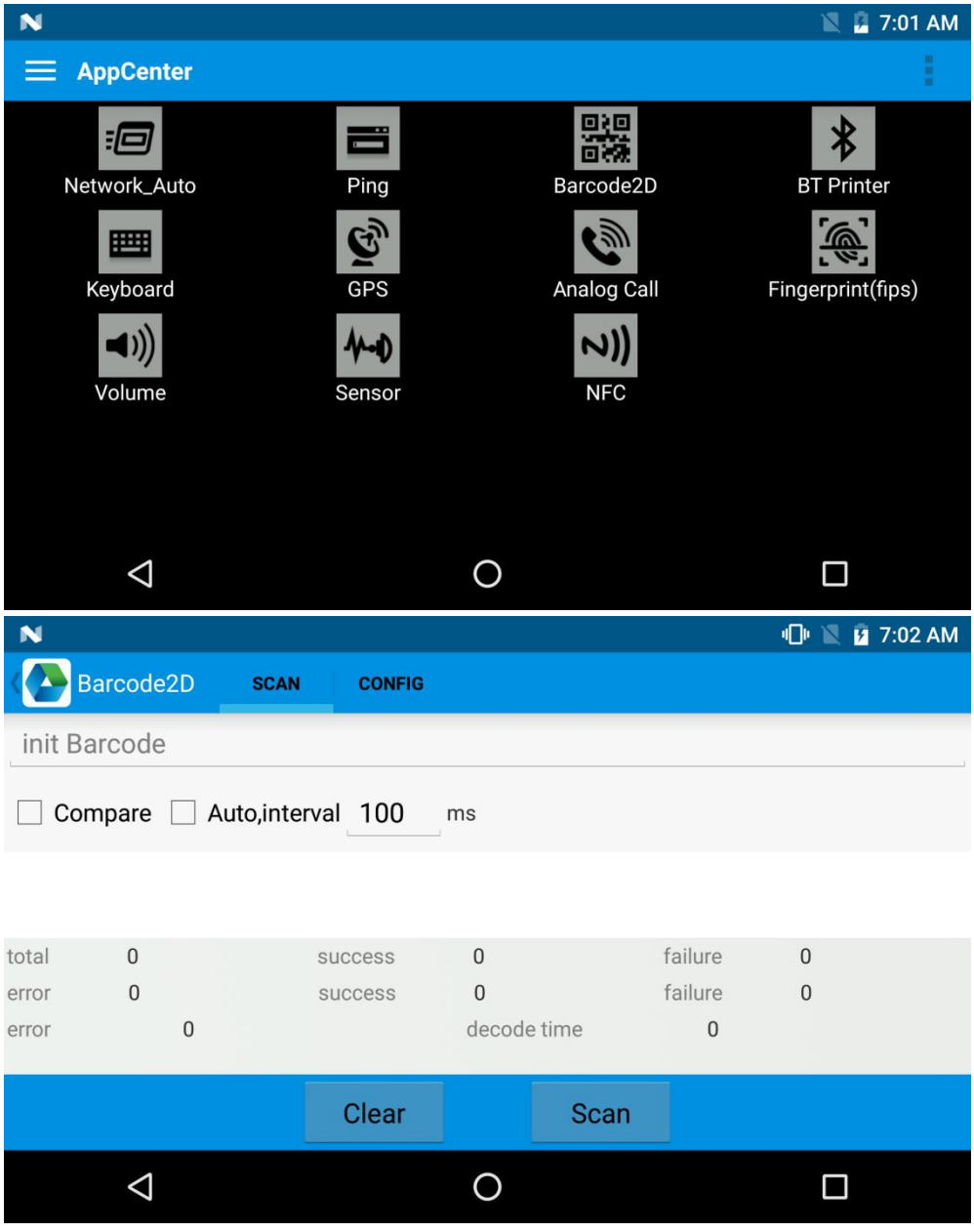
1. Click contacts to open contacts list.
2. Click icon to add new contacts.
3. Click icon to import/export contacts.

3.3 SMS and MMS

1. Click to open message window.
2. Click to input message receiver and contents.
3. Click to send out messages.
4. Click to add attachment pictures and videos.

Chapter 4 Barcode reader-writer

1. In App Center, to open 2D barcode scan test.
2. Press “SCAN” button or click scan key to start scanning, the parameter “Auto interval” can be adjusted.



Caution: Please scan codes in correct way otherwise the scanning will be failed.

1D barcode:

Correct

Incorrect

2D code:

Correct

Incorrect

Max. radiant power: 0.6mW

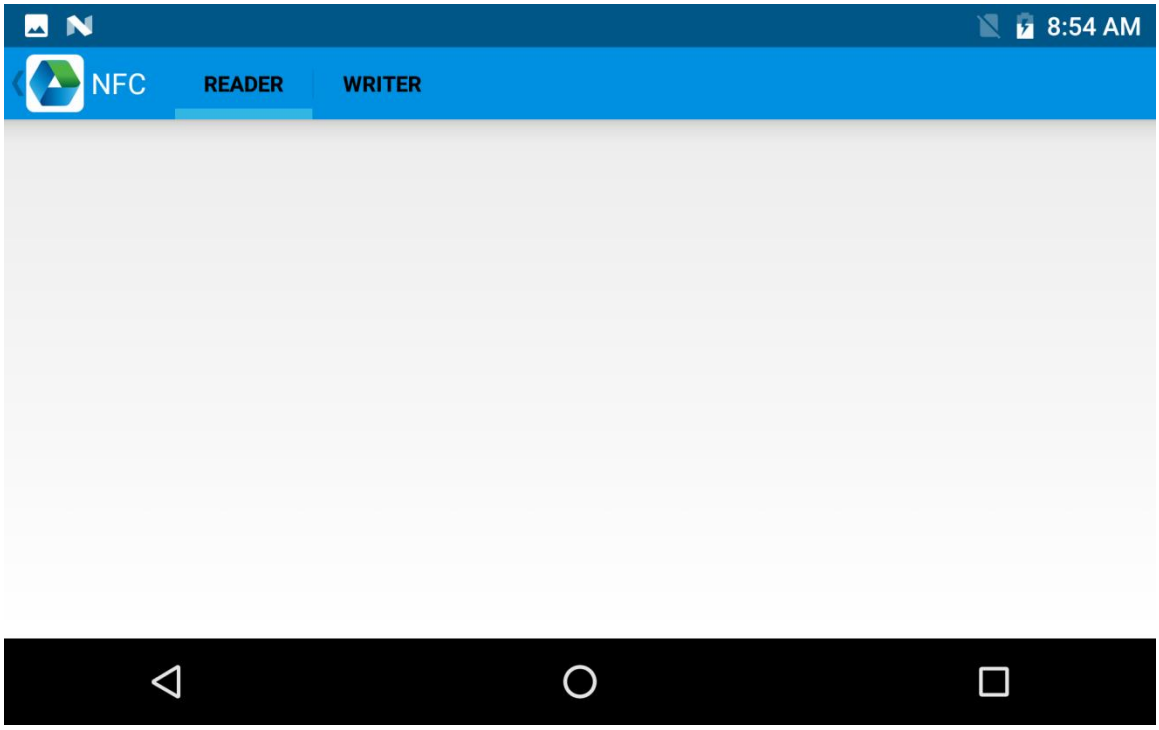
Wave length: 655nM

IEC 60825-1 (Ed.2.0).

21CFR 1040.10 and 1040.11 standard.

Chapter 5 RFID reader

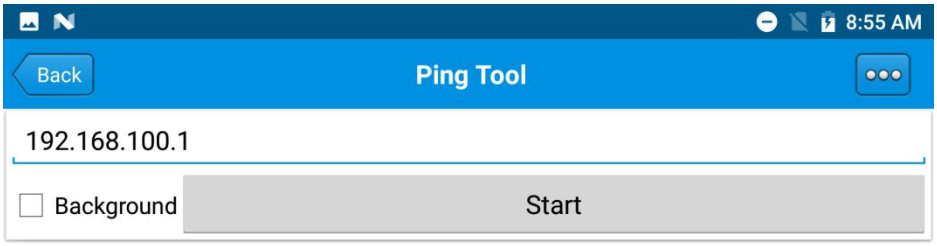
Click App Center, open “NFC” to read and write tag information.

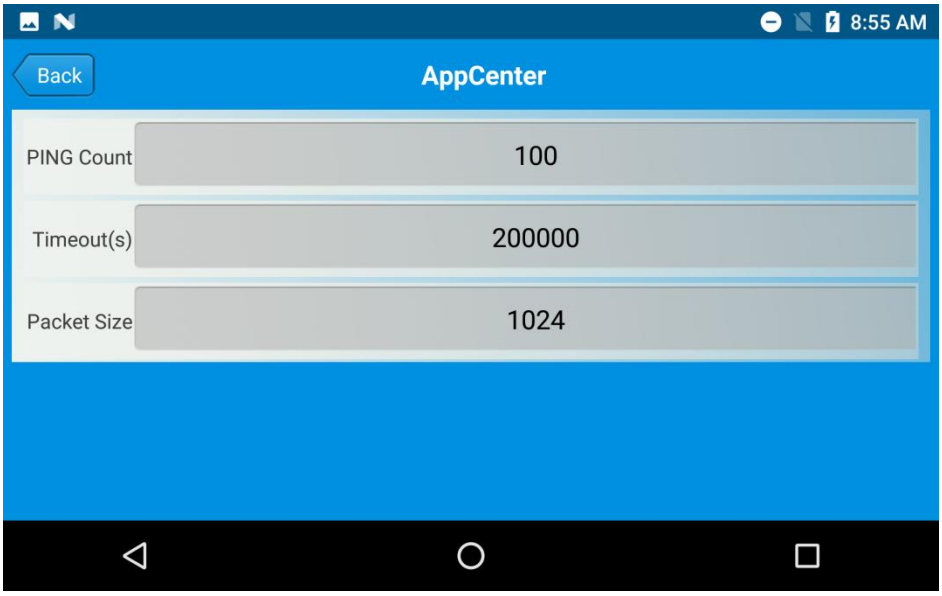


Chapter 6 Other functions

6.1 PING tool

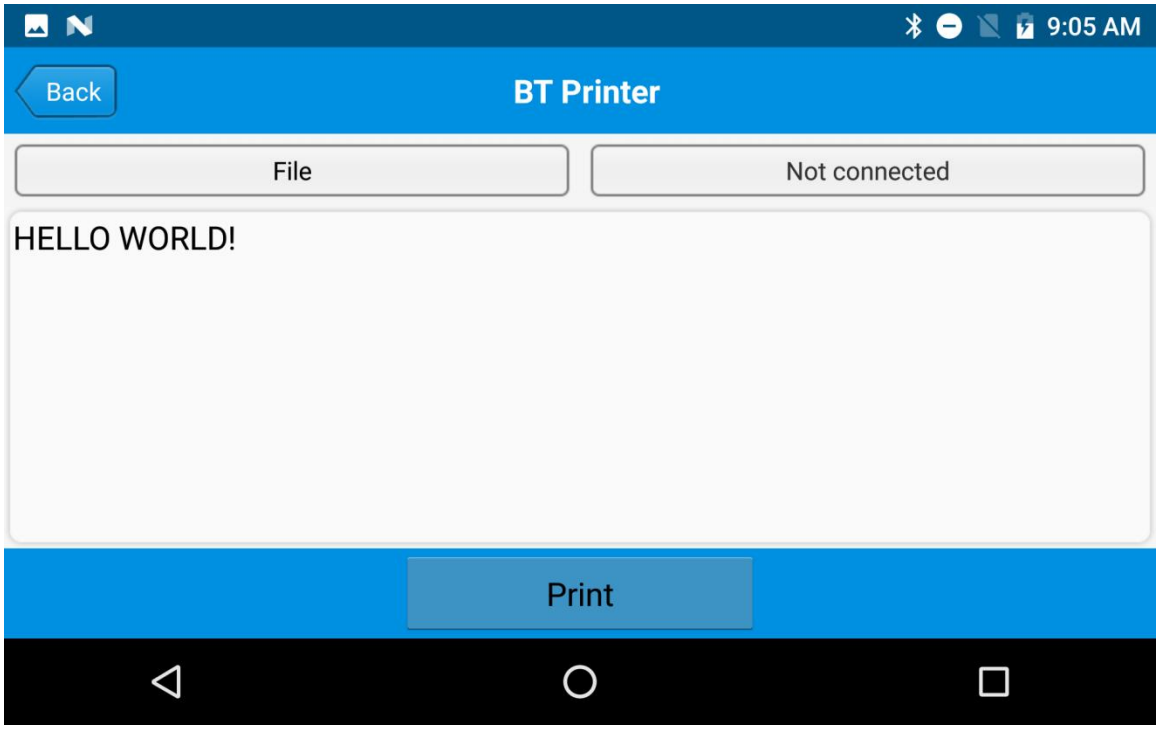
1. Open “PING” in App Center.
2. Setup PING parameter and select external/internal address.





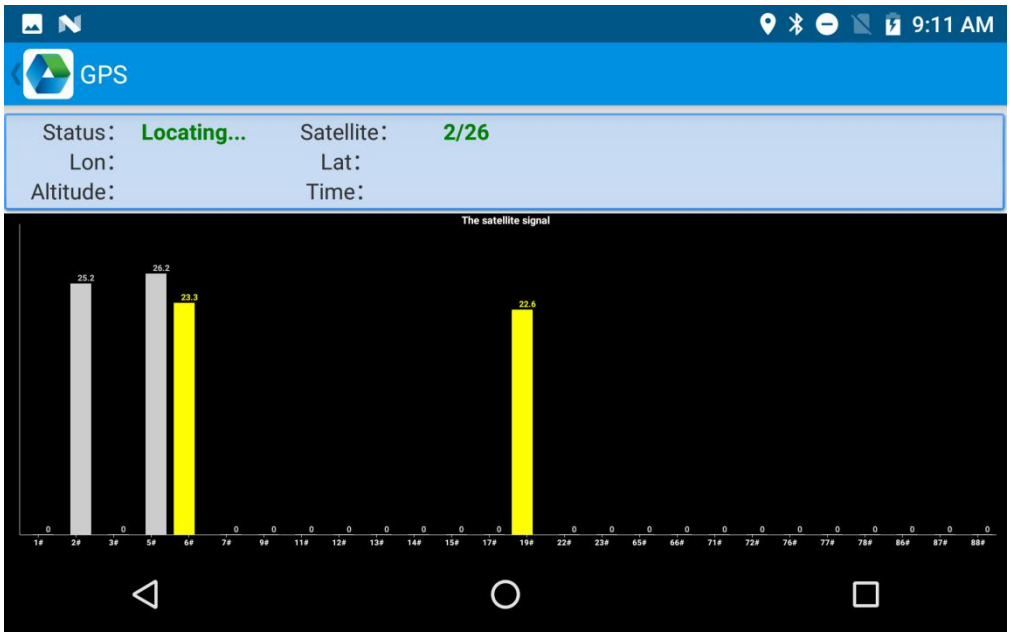
6.2 Bluetooth

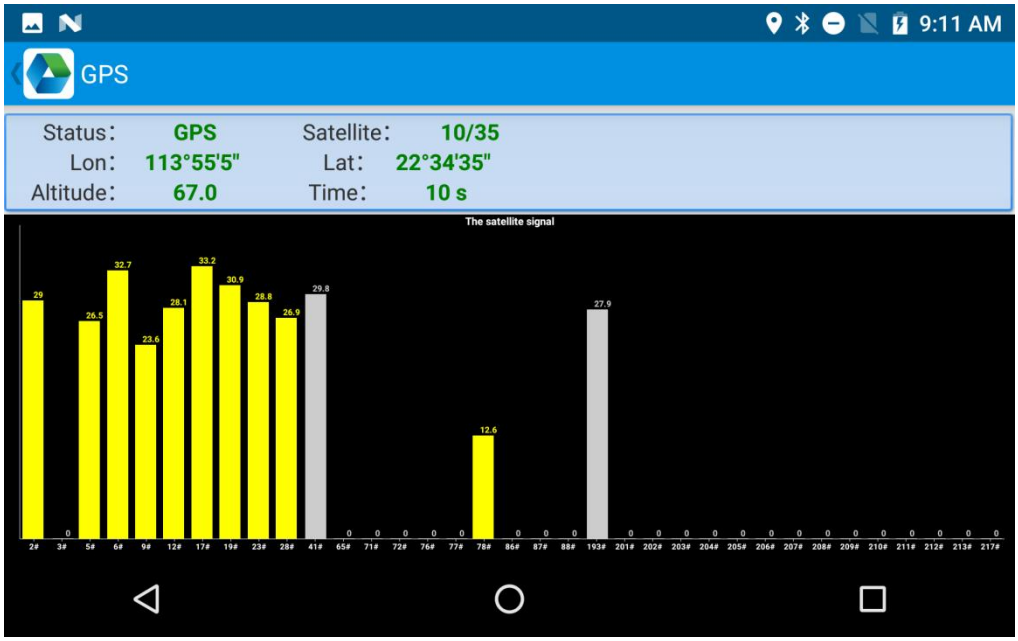
1. Open “BT Printer” in App Center.
2. In the list of detected devices, click the device that you want to pair.
3. Select printer and click “Print” to start printing contents.



6.3 GPS

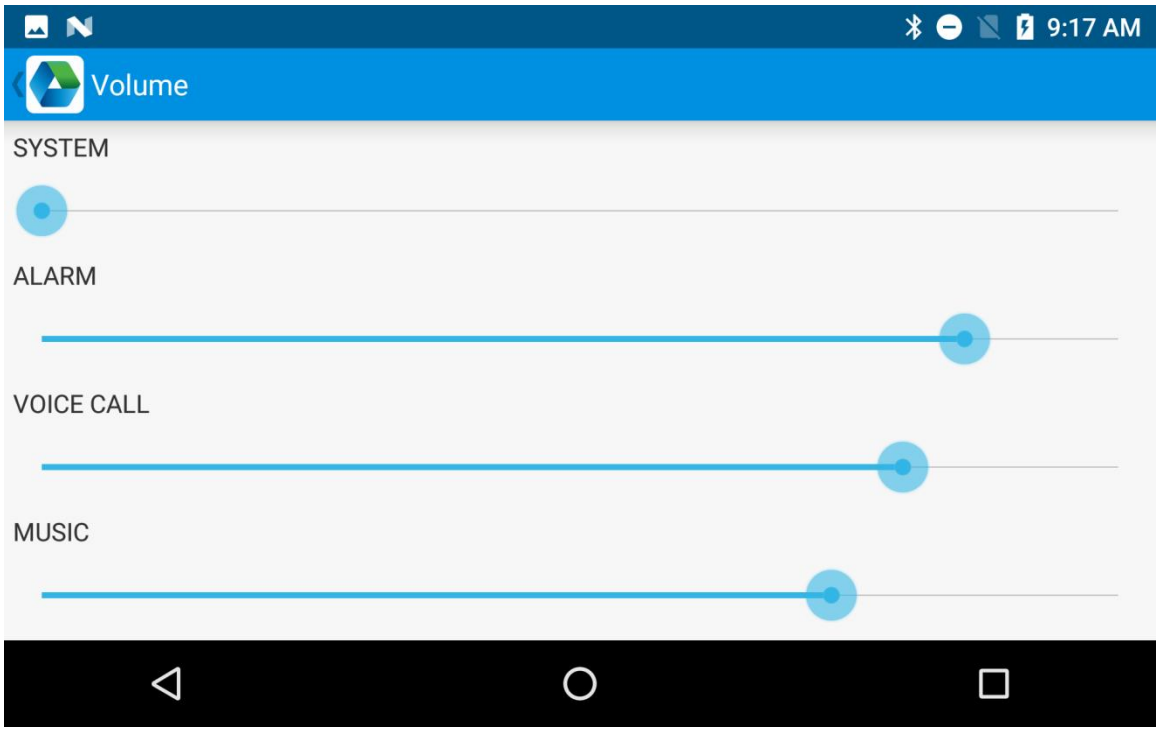
1. Click “GPS” in App Center to open GPS test.
2. Setup GPS parameters to access GPS information.





6.4 Volume setup

1. Click “Volume” in App Center.
2. Setup volume by requirements.

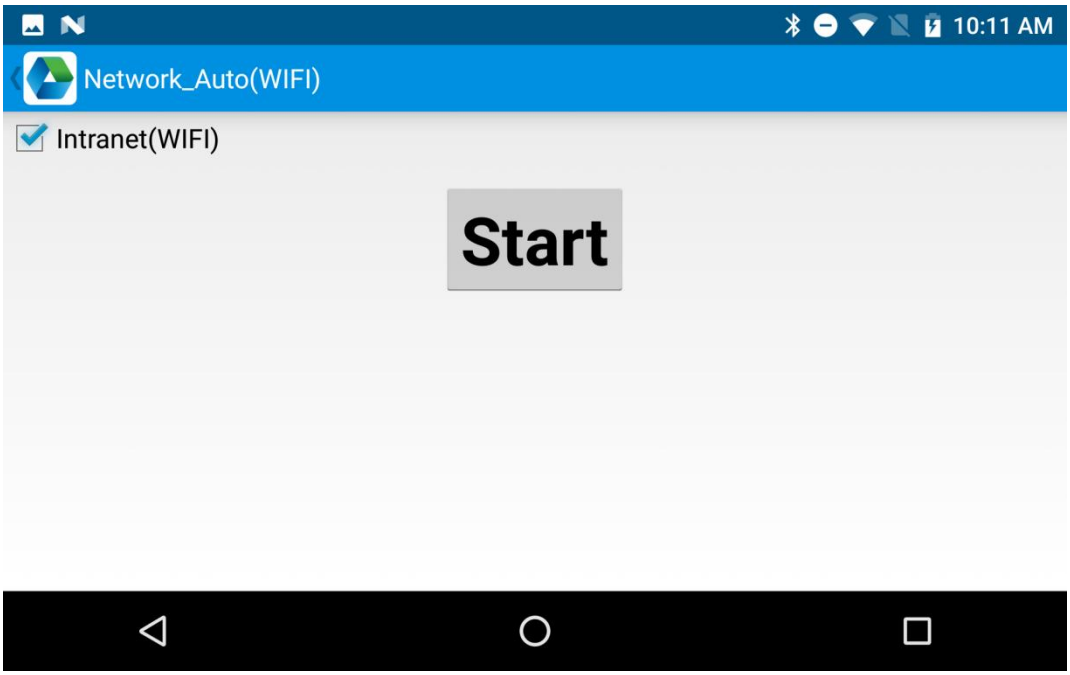


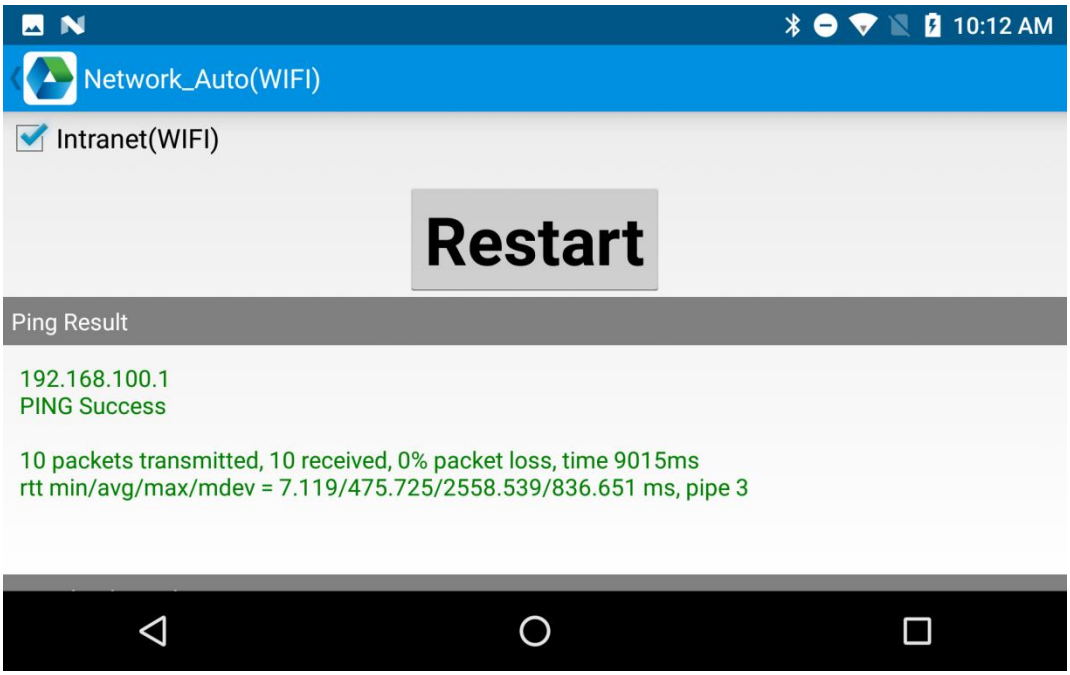
How to capture screenshot:

Press and hold power button and Volume – at same time.

6.5 Network

1. Click “Network” in App Center.
2. Click "Start" to check the IP address and PING information.





Chapter 7 Device characteristic

Physical characteristics

Size	263.5 x 175.0 x 13.5mm / 10.37 x 6.89 x 0.53in. (for standard version)
Weight	802g / 28.29oz. (for standard version)
Display	10.95”, 1920x1200
Battery	10000mAh removable main battery with meter; Support fast charge
Expansion	1 PSAM card (Optional), 1 slot for Nano SIM card 1 slot for Nano SIM / TF card
Audio	2 microphones, 2 speakers
Camera	13MP autofocus camera with flashlight,5 MP front camera

Performance

CPU	Octa-core, 2.4GHz
OS	Android 14
RAM	4GB
Communication Interface	USB 3.0 Type-C, OTG
ROM	64GB
Max. expansion	Supports up to 512 GB Micro SD card

User environment

Operating temp.	-20℃to 50℃
Storage Temp.	-40℃ to 70℃
Humidity	5%RH - 95%RH non condensing
Sealing	IP67 per IEC sealing specifications; IP68/IP69K available upon request

Drop specification	MIL-STD-810H (SGS Test): Multiple 1.2 m/3.94 ft. drops to concrete across the operating temperature range

Communication

WWAN	WWAN (Europe, Asia)	2G: GSM B2 / B3 / B5 / B8 CDMA 1XEVDO BCO, BC1 3G: WCDMA B1 / B2 / B5 / B8 4G: TDD LTE B34 / B38 / B39 / B40 / B41 (2496-2690) / B42 / B43 FDD LTE B1 / B2 / B3 / B4 / B5 / B7 / B8 / B20 / B28full / B66 5G: SA N1 / N3 / N5 / N7 / N8 / N20 / N28 / N38 / N41 (PC2) / N66 / N77 / N78 / N79
	WWAN (America)	2G: GSM B2 / B3 / B5 / B8 CDMA 1XEVDO BCO, BC1 3G: WCDMA B1 / B2 / B4 / B5 4G: TDD LTE B38/B41 (2496-2690) FDD LTE:B1 / B2 / B4 / B5 / B7 / B12 / B13 / B17 / B25 / B26 / B66 / B71 5G: SA N2 / N5 / N7 / N12 / N13 / N25 / N26 / N29 / N38 / N41 / N48 / N66 / N70 / N71 / N77 / N78
WLAN	Support 802.11 a / b / g / n / ac / ax, 2.4G / 5G dual-band 2*2 MIMO antennas	
WPAN	Bluetooth V5.2, support Bluetooth headset	

Data collection

Barcode scanning	Zebra: SE4100, SE5500; CM60
RFID	NFC 13.56Mhz

Developing Environment

SDK	Chainway software develop kit
Language	Java
Develop	Eclipse/Android Studio