

Industrial Tablet

P100S User Manual



Catalog

Chapter 1 Product Intro	3
1.1 Intro	3
1.2 Precaution before using battery	4
Chapter 2 Device appearance and function instruction	6
2.1 Appearance	6
2.2 Battery charging	7
2.3 Button and functional area display	8
Chapter 3 Call function	9
3.1 Calling numbers	9
3.2 Contacts	10
3.3 SMS and MMS	11
Chapter 4 InfoWedge_Barcode scanning	12
Chapter 5 RFID reader	15
Chapter 6 Other functions	16
6.1 PING tool	16
6.2 Bluetooth	17
6.3 GPS	18
6.4 Volume setup	19
6.5 Sensor	20
6.6 Button Test	21
6.7 Network Signal	21
Chapter 7 Device characteristic	22
Chapter 8 Statement	24

Chapter 1 Product Intro

1.1 Intro

The Chainway P100S is the latest 4G high-performance, large-screen multifunctional industrial tablet launched by Chainway. Featuring a 10.95-inch display, it delivers a more comfortable visual experience. Developed based on Android 14 and powered by a high-performance CPU, the device ensures stable and fast system operation, helping users efficiently handle various tasks.

Equipped with a 10,000mAh removable battery, the P100S supports fast charging and battery gauge functionality, providing outstanding battery life to meet long hours of operation. In addition, the P100S integrates multiple features including barcode scanning, NFC reading and writing, PSAM, and a high-definition camera, offering a comprehensive user experience.

With an IP67 protection rating, the device remains highly reliable even in harsh environments. The P100S is widely applicable across industries such as retail, logistics, warehousing, construction, manufacturing, healthcare, hospitality and catering, and government sectors, helping users achieve more efficient management and operations.

1.2 Precaution before using battery

The P100S is equipped with a high-capacity 10,000mAh removable battery and supports hot-swappable battery replacement. It comes standard with a battery gauge function, allowing rich battery information to be clearly displayed on the tablet. Users can monitor power consumption and view key battery health indicators at any time, ensuring reliable battery performance throughout employee work shifts.

At the same time, the P100S supports advanced fast-charging technology with a maximum specification of 9V/3A, 27W, and full compatibility with the PPS protocol. This enables users to quickly recharge the device during busy schedules while ensuring long-lasting and stable battery performance.

Precaution:

- 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 checked 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 use, it will continue to 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).

Chapter 2 Device appearance and function instruction

2.1 Appearance

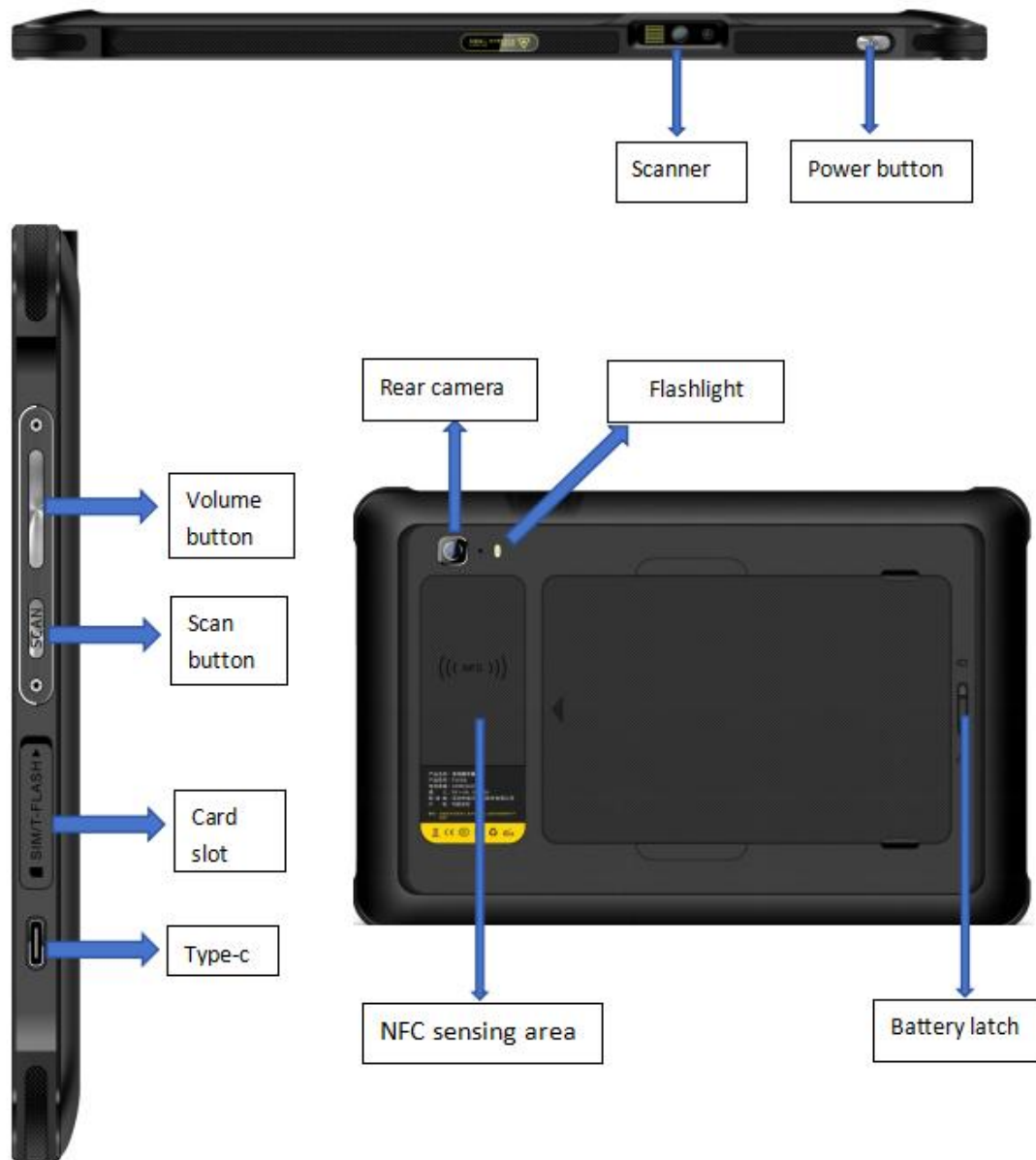


Note: The style of the picture is for reference only.

2.2 Battery charging

Charge the battery via the USB interface using the original manufacturer' s adapter. Do not use adapters from other brands to charge the device.

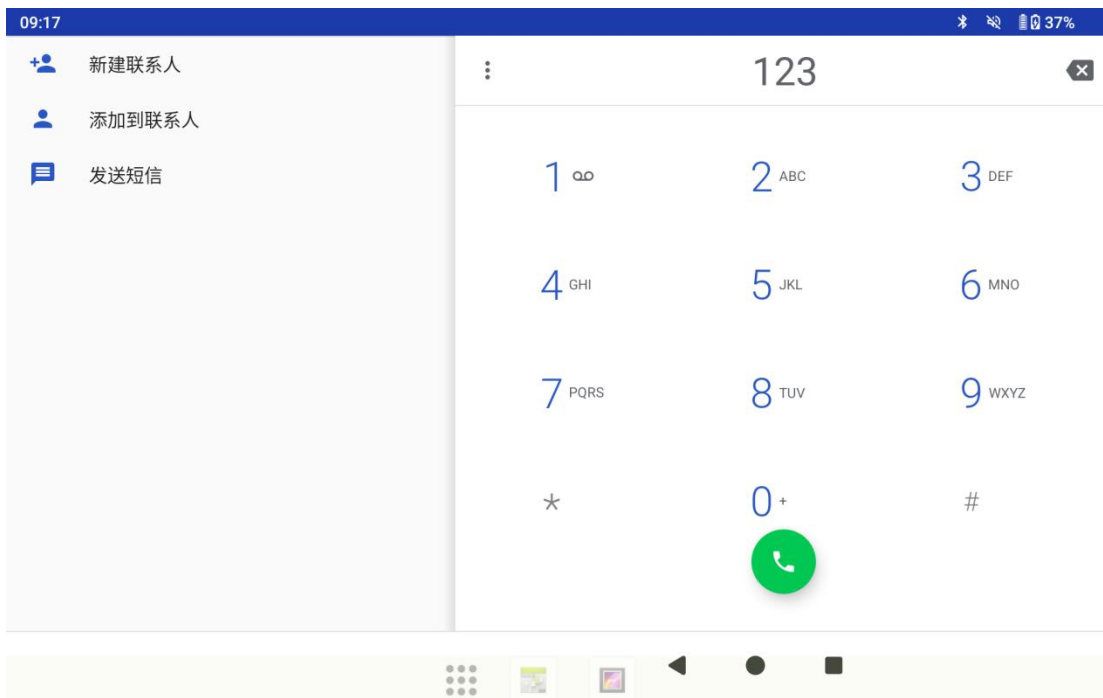
2.3 Button and functional area display



Chapter 3 Call function

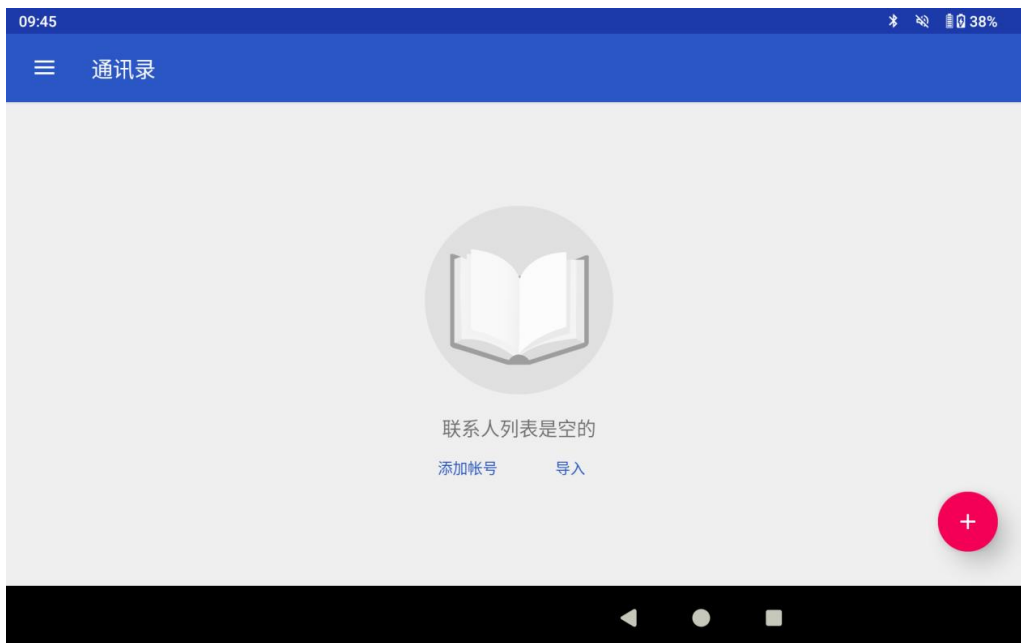
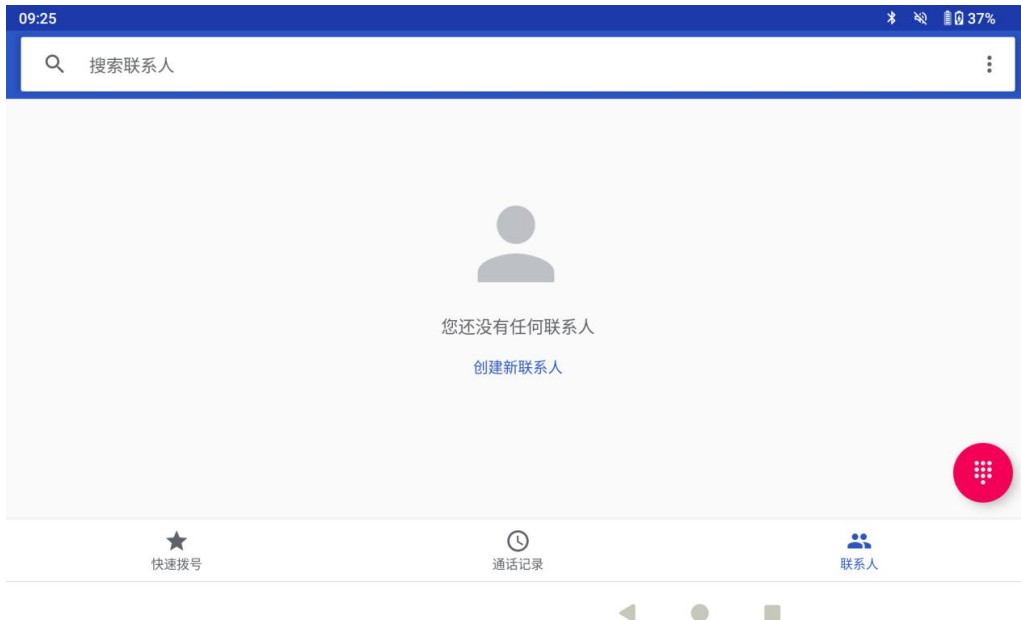
3.1 Calling numbers

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



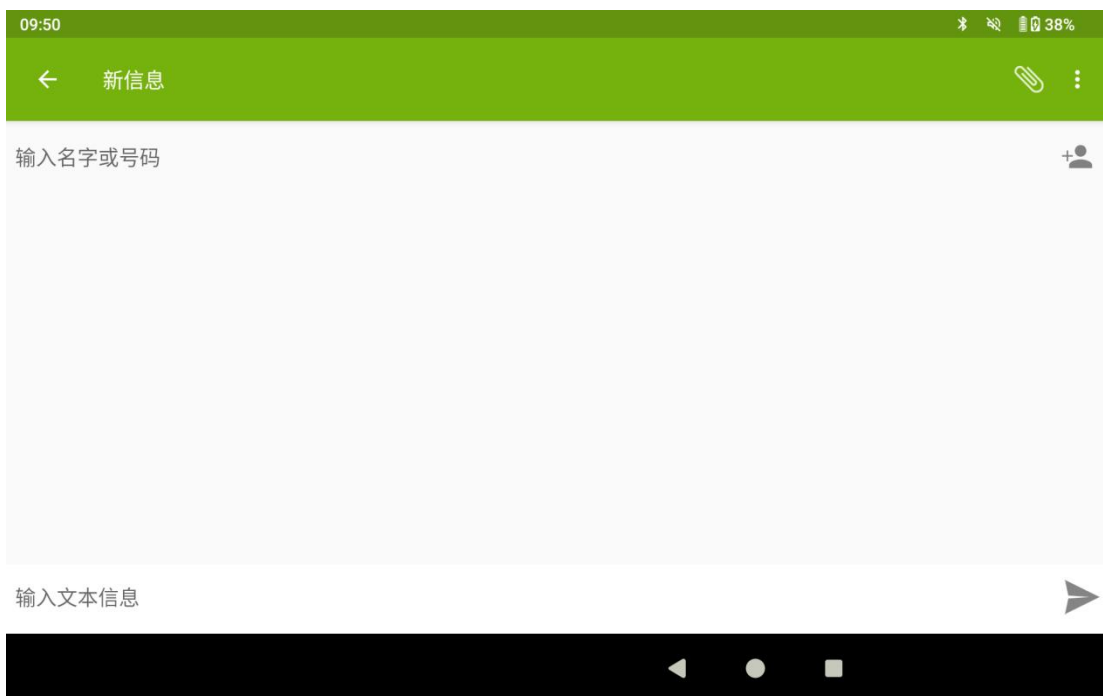
3.2 Contacts

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.

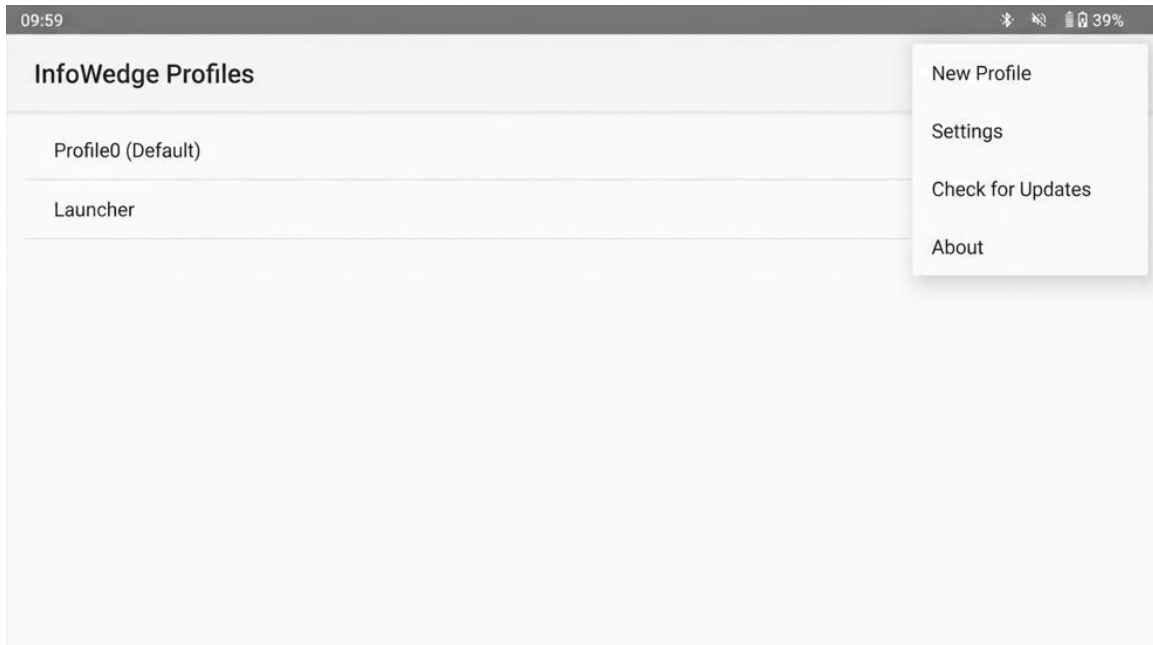


Chapter 4 InfoWedge_Barcode scanning

InfoWedge provides the following main functions:

- (1) Configure the barcode scanner, including scanning parameters, decoders, trigger modes, etc.
- (2) Process scanned results, such as adding prefixes, removing specified content, sending an Enter key, and more.
- (3) Output the processed scan results to applications. For example, results can be output directly to the cursor position in an application, enabling barcode scanning functionality without additional programming.
- (4) Automatic switching between multiple configurations. The system can automatically select the corresponding configuration based on the currently active foreground application.
- (5) Configuration sharing. Settings from one device can be shared with other devices via barcode scanning.

Note: For more detailed feature information, please contact the relevant technical support personnel. They can provide guidance on usage or supply the InfoWedge user manual.



 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

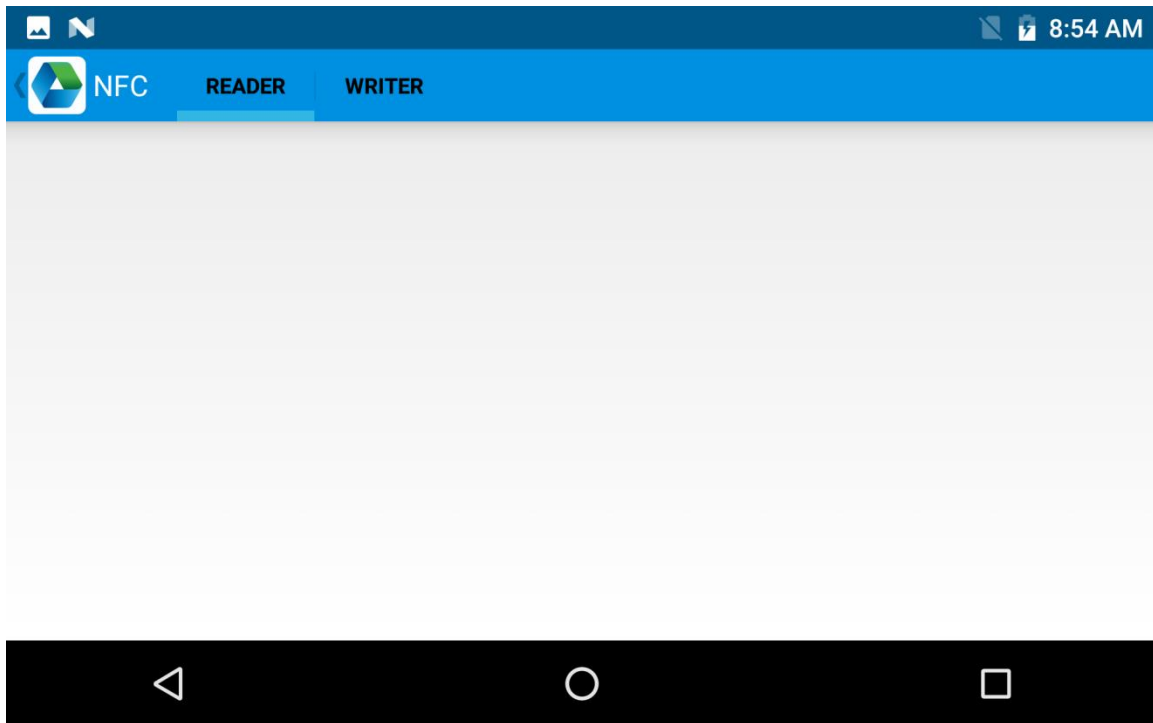
IEC 60825-1 (Ed.2.0).

21CFR 1040.10 and 1040.11 standard.

Chapter 5 RFID reader

5.1 NFC function

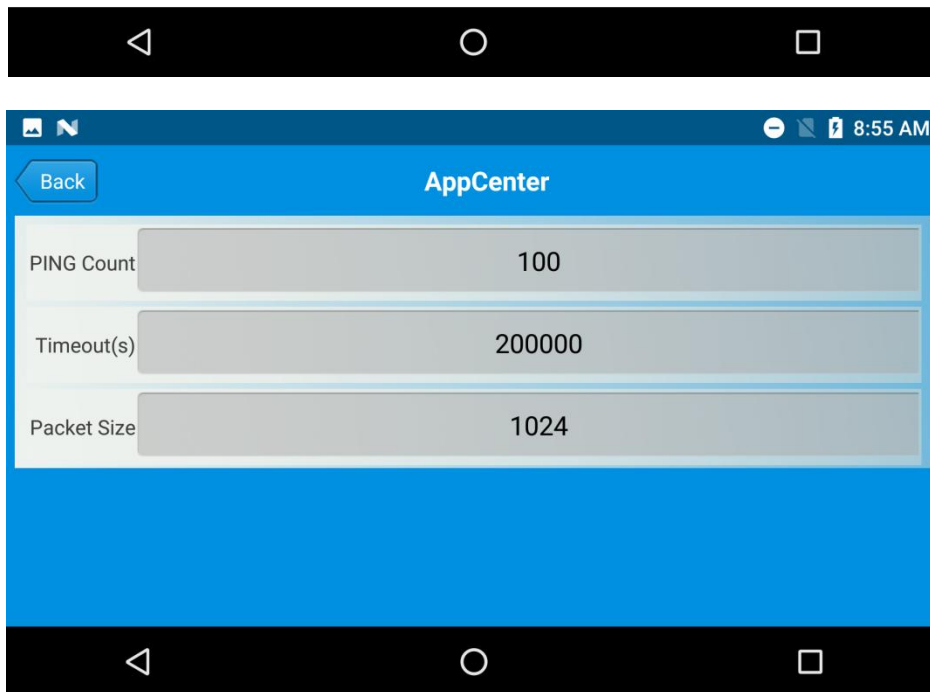
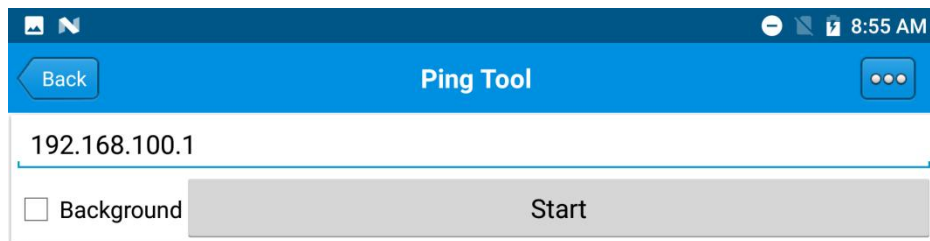
Click App Center, open “NFC” to read and write tag information.



Chapter 6 Other functions

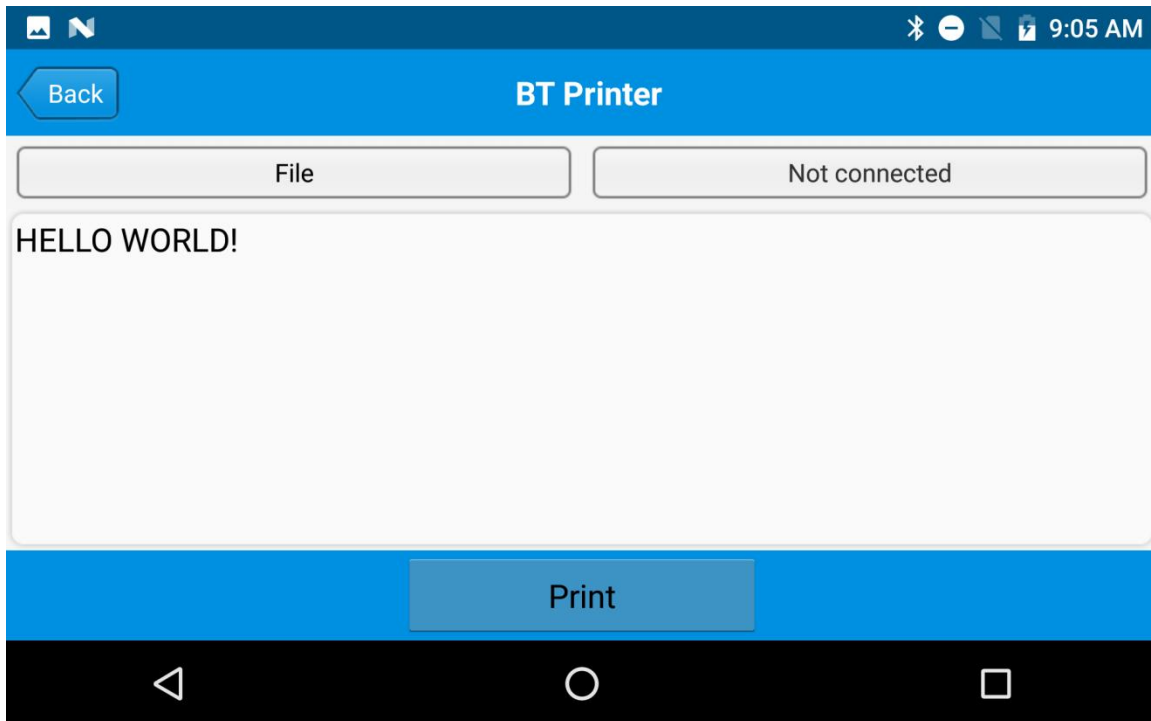
6.1 PING tool

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



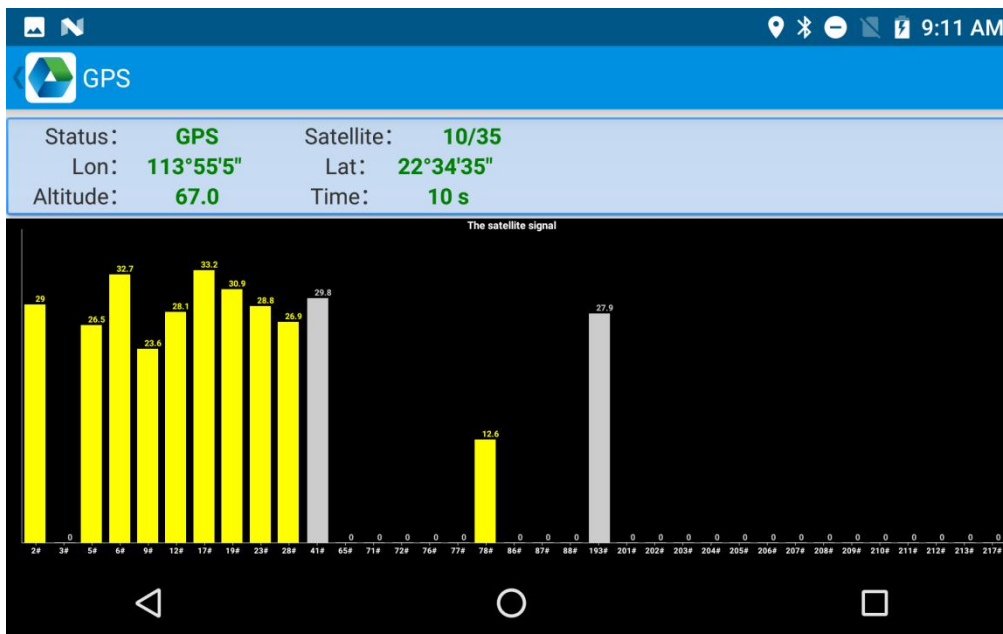
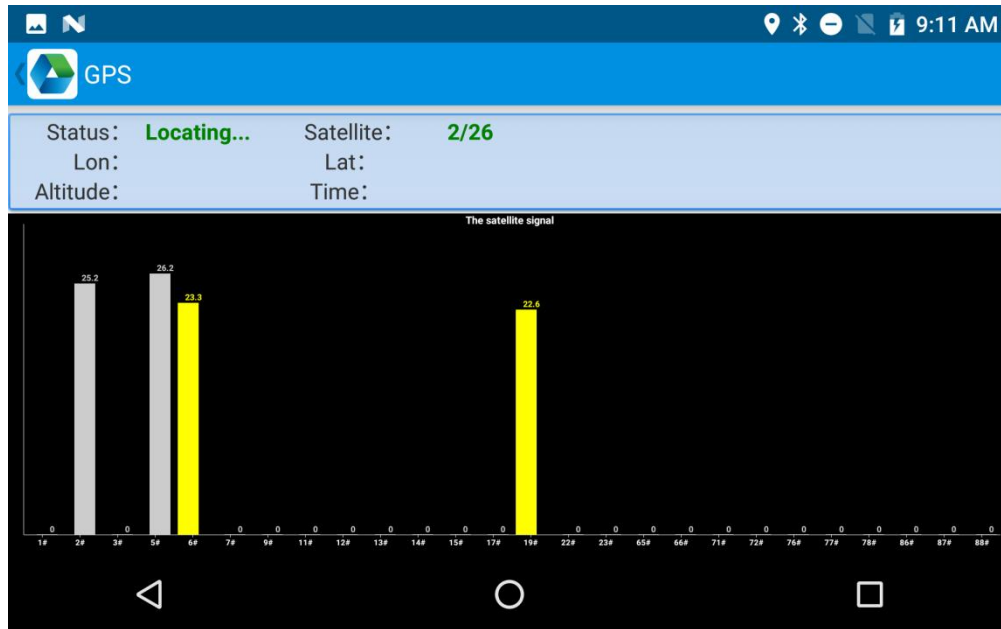
6.2 Bluetooth

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.



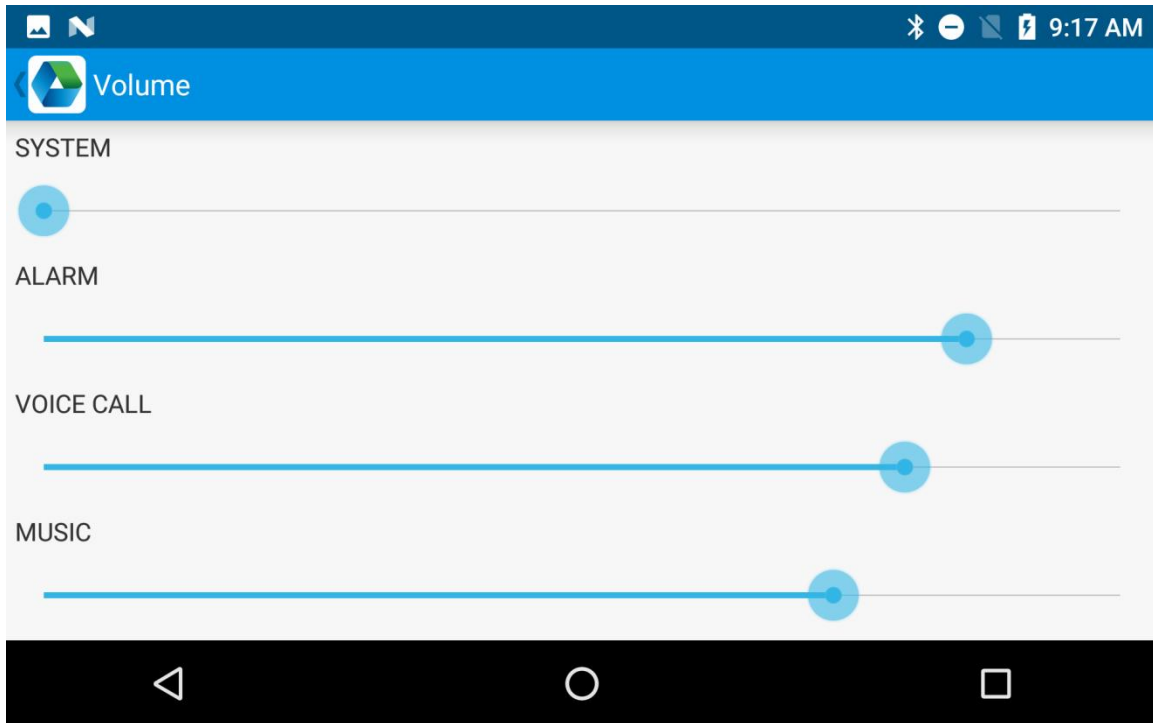
6.3 GPS

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.



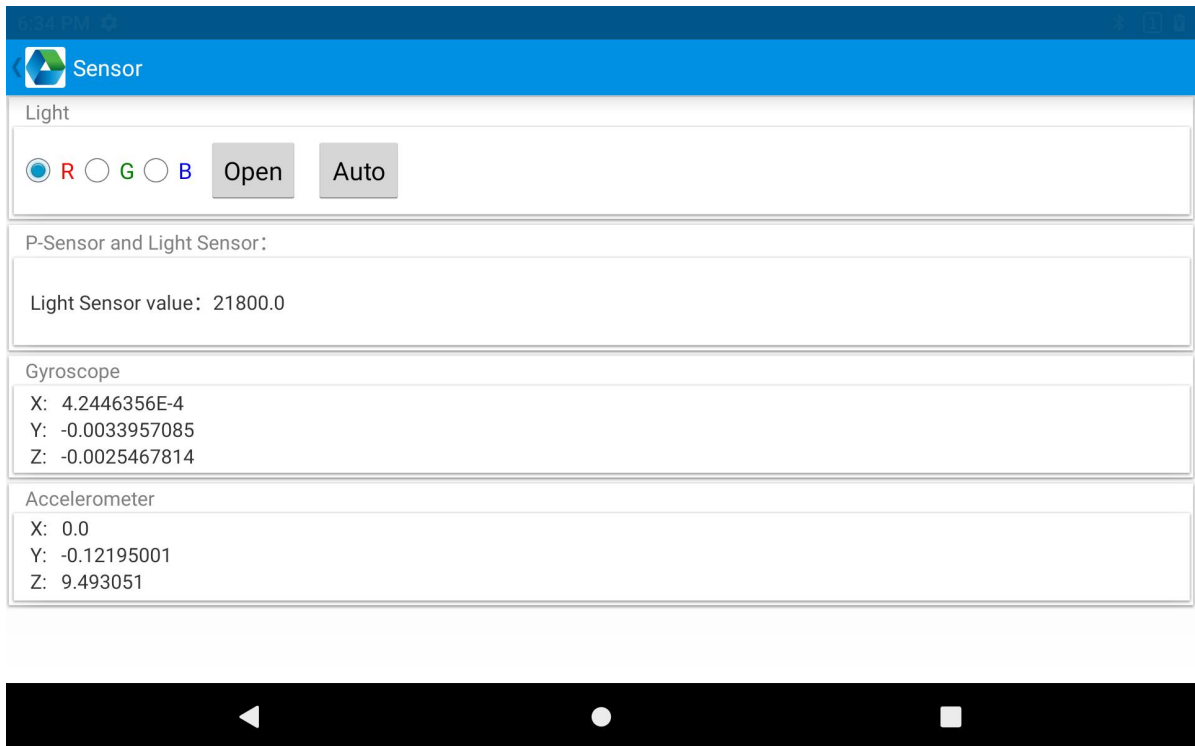
How to capture screenshot:

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

6.5 Sensor

1. Click “Sensor” in App Center.
2. Select and install the sensor according to requirements.

Note: The image is for reference only. Please refer to the actual product.

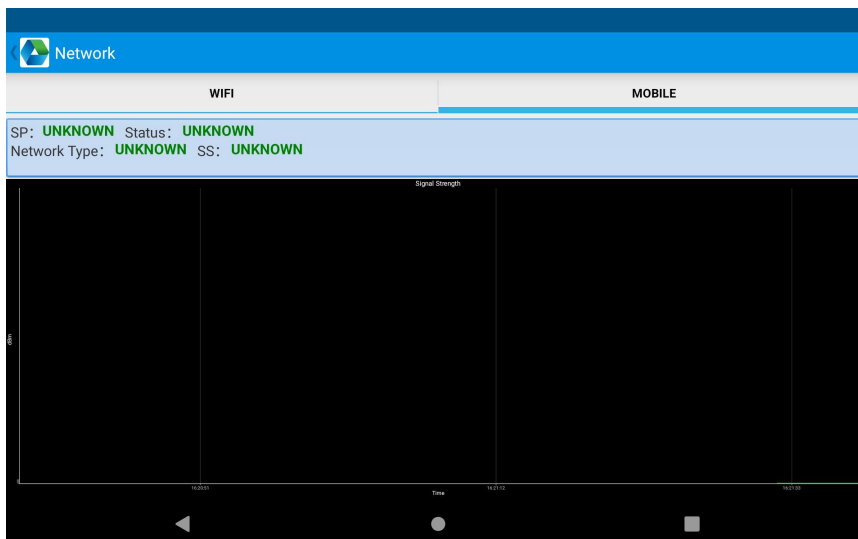
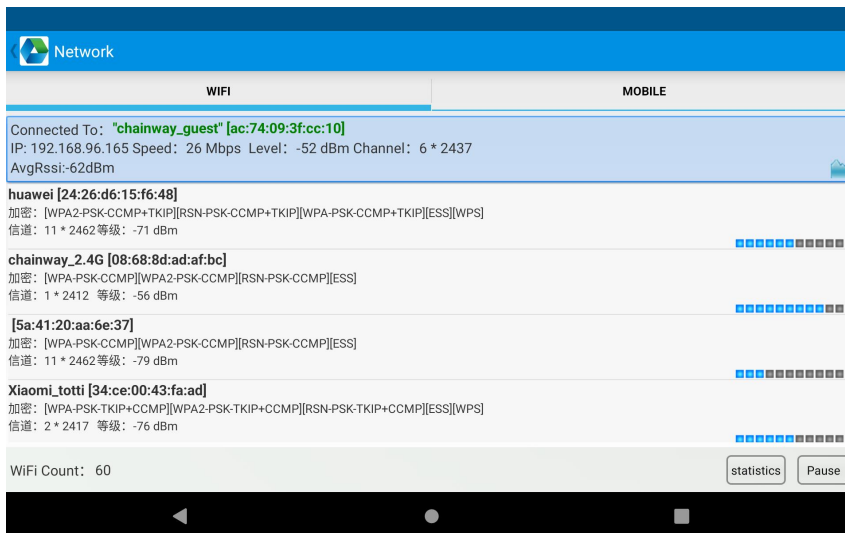


6.6 Button Test

1. In the device App Center, open "Button Test".
2. Set up and test the device's main parameters.

6.7 Network Signal

1. In the device App Center, open "Network".
2. Test Wi-Fi and mobile signal according to requirements.



Chapter 7 Device characteristic

Physical characteristics	
Size	263.5mm*175.0mm*13.5mm
Weight	802g / 28.29 oz. (for standard version)
Display	10.95", IPS, 1920x1200
Touch Panel	Corning Glass, multi-touch panel, gloves and wet hands supported
Battery	10000mAh removable main battery with meter, support fast charge
Expansion slot	1 slot for Nano SIM card, 1 slot for Nano SIM /TF card; 1 PSAM card (optional); eSIM compatible
Audio	2 microphone, 2 speakers
Camera	Rear camera: 13MP color camera with autofocus and flash. Front camera: 5MP color camera.
Sensors	G_sensor, light sensor, proximity sensor, gyroscope, geomagnetic sensor
Performance	
CPU	Octa-core 2.2 GHz
OS	Android 14.0
RAM+ROM	4GB + 64GB / 8GB + 256GB (optional)
Interfaces	USB 3.0 Type-C, OTG, support USB Type-C Digital Earphone
Max. expansion	Supports up to 512 GB Micro SD card
Operating environment	
Operating temp.	-4°F to 122°F / -20°C to 50°C
Storage Temp.	-40°F to 158°F / -40°C to 70°C
Humidity	5% RH-95% RH (non condensing)
Drop specification	MIL-STD-810H (SGS Test): Multiple 1.2 m / 3.94 ft. drops to concrete across the operating temperature range
Sealing	IP67 per IEC sealing specifications
ESD	±15 KV air discharge, ±8 KV conductive discharge

Communication	
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
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
WLAN	Support 802.11 a/b/g/n/ac, 2.4G/5G dual-band; Supports fast roaming; Wi-Fi 6E (optional)
Bluetooth	Bluetooth V5.2, support Bluetooth headset
GNSS	GPS/AGPS, GLONASS, BeiDou, Galileo
Data collection	
Barcode scanning	Zebra: SE4100 / SE5500; CM60
NFC	ISO14443A/B, ISO15693, NFC-IP1, NFC-IP2 etc. Range: 2-4 cm
Developing Environment	
SDK	Chainway software develop kit
Language	Java
Develop	Eclipse/Android Studio

Chapter 8 Statement

This document is protected by copyright law. Any unauthorized reproduction, modification, distribution, or display of part or all of this document in any form constitutes an infringement.

This document is intended to provide users with instructions for the use of the P100S device. The information and guidelines contained herein are based on our best knowledge and reflect the situation known to the author at the time of writing. However, as the device may be upgraded, evolved, or otherwise changed, the content of this document may become outdated. We strive to ensure the accuracy of the information in this document, but we do not guarantee its completeness, accuracy, or timeliness.

This document is for reference and guidance only and is provided without any form of warranty or guarantee. The author assumes no responsibility for any misunderstanding, misuse, loss, or damage. For more information about this document or support regarding the use of the application, please refer to the official website or contact the Chainway Information Technology Co., Ltd. technical support team.

Chainway Information Technology Co., Ltd. reserves all rights. No part of this document may be used for any other purpose without prior written permission from the author.