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# CHAINWAY

## CHAINWAY C66 Android Mobile Computer Barcode Scanner



## Specifications

- **Manufacturer:** Shenzhen Chainway Information Technology Co.,Ltd
- **Product:** Mobile Data Terminal C66
- **Operating System:** Android 7.1 / Android 9.0
- **Application:** Multi-industry applications like logistics express, warehouse inventory, manufacturing, retail, etc.

## Product Usage Instructions

### Introduction

The C66 is an industrial-grade smart handheld terminal designed and manufactured by Shenzhen Chainway Information Technology Co.,Ltd. It runs on Android 7.1 / Android 9.0, providing fast performance and long battery life. It is suitable for various industries such as logistics, warehouse inventory, manufacturing, and retail to enhance information access and storage inventory efficiency.

### Precautions Before Using the Battery

- Do not leave the battery unused for a long time, whether inside the device or in storage.
- If the battery has been unused for 6 months, check its charging function or dispose of it correctly.

- The lifespan of a Li-ion battery is around 2 to 3 years, with a charging cycle of 300 to 500 times.
- When not in use, the Li-ion battery will slowly discharge. Check the battery charging status frequently and refer to the manual for charging information.
- Record the information of a new unused and non-fully charged battery for comparison with a battery that has been in use for a long time.

## **Statement**

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## **Product intro**

## **Intro**

C66 is an industrial-grade smart handheld terminal that has been designed and manufactured by Shenzhen Chainway information technology co, ltd .It is based on Android 7.1 / Android 9.0, which runs fast and has a long battery life. To meet the needs of multi-industry applications like logistics express, warehouse inventory, manufacturing, retail, etc., It can help customers to quickly access information and improve the efficiency of outbound storage inventory

## **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).

## **Charger**

The charger output voltage/current is 9V DC/2A. The plug considered as disconnect

device of adapter.

## NOTE

- Using the incorrect type battery has danger of explosion. Please dispose the used battery according to instructions.
- 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.
- The adapter shall be installed near the equipment and shall be easily accessible.
- The suitable temperature for the product and accessories is 0-10°C to 50°C.
- CAUTION RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

## Installation instructions

### Appearance

C66 back and front appearances are showing as follows:



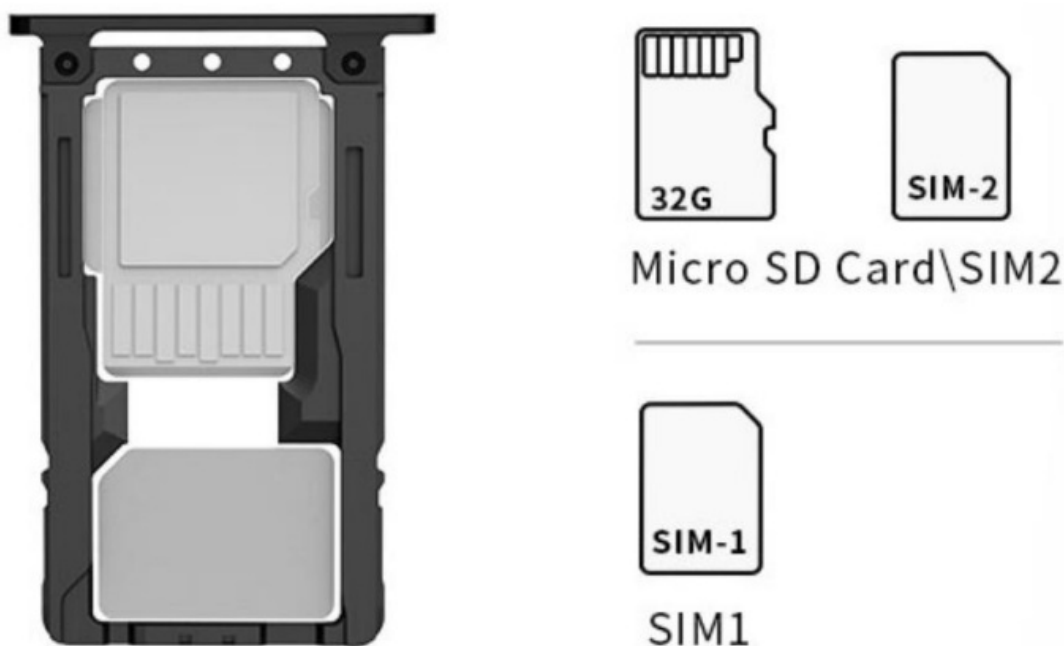
### Buttons instruction

Button	Description
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Side button	1. Power	Locate on right side, press to ON/OFF device.
	2. PTT key	Locate on right side, its function can be defined by software.
	3. SCAN	Scanning button located on both sides. There are two scanning buttons.
	4. Volume +/-	Volume up and down

## Install Micro SD and SIM cards

The cards sockets are showing as follows:



## 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.

## Buttons and function area display




C66 has 6 side buttons, 2D scanning module locates on the top. HD camera and flashlight locate at rear. NFC identification surrounds the camera.




## Call function


### Calling numbers

Please check with your telecommunications or cellular company to confirm if their SIM will allow you to connect to their network. Every region and carrier globally, supports different bands and has differing requirements. This could impact your ability to use a Sim card in this device and you may be limited to Wi-Fi only





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

### Contacts

1. Click contacts to open contacts list.
2. Click icon  to add new contacts.

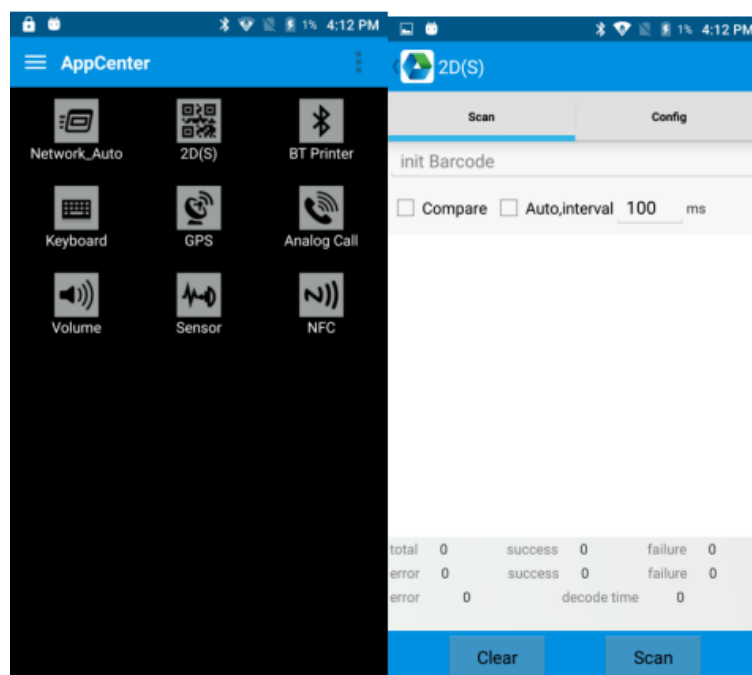
3. Click icon  to import/export contacts

## 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.

## 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.

**2D code:**





Correct



Incorrect

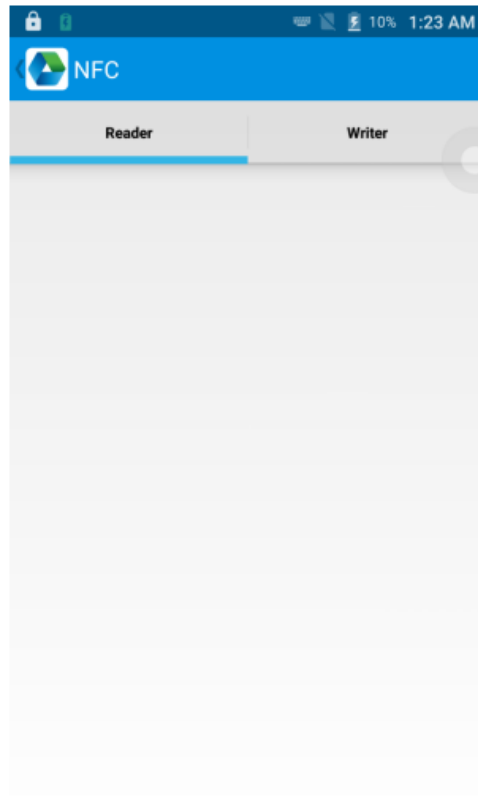


- Max. radiant power: 0.6mW
- Wave length: 655nm
- IEC 60825-1 (Ed.2.0).
- 21CFR 1040.10 and 1040.11 standard.

## RFID reader

## NFC

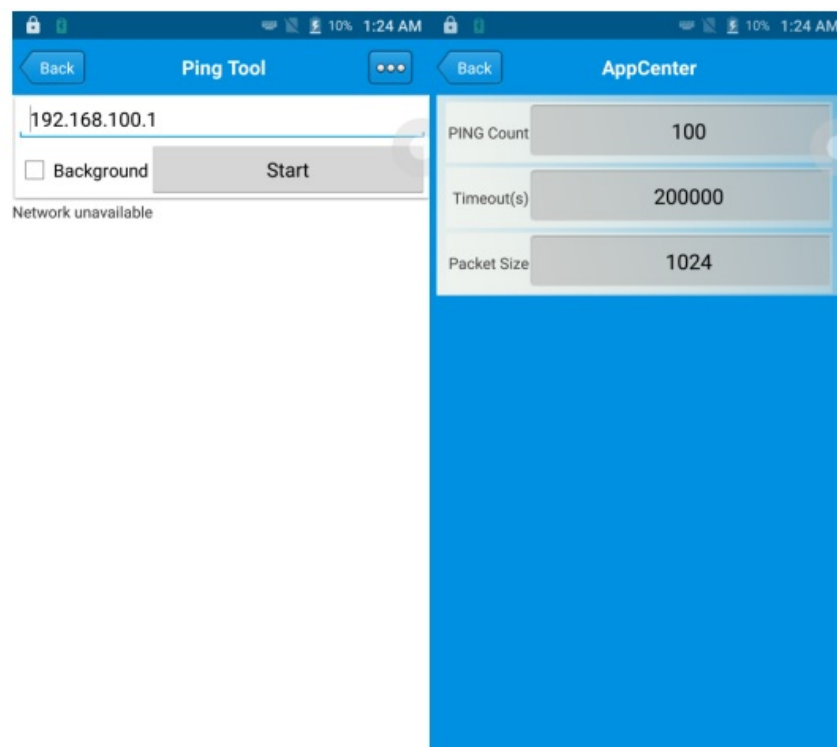
Click App Center, open “NFC” to read and write tag information.



## Other functions

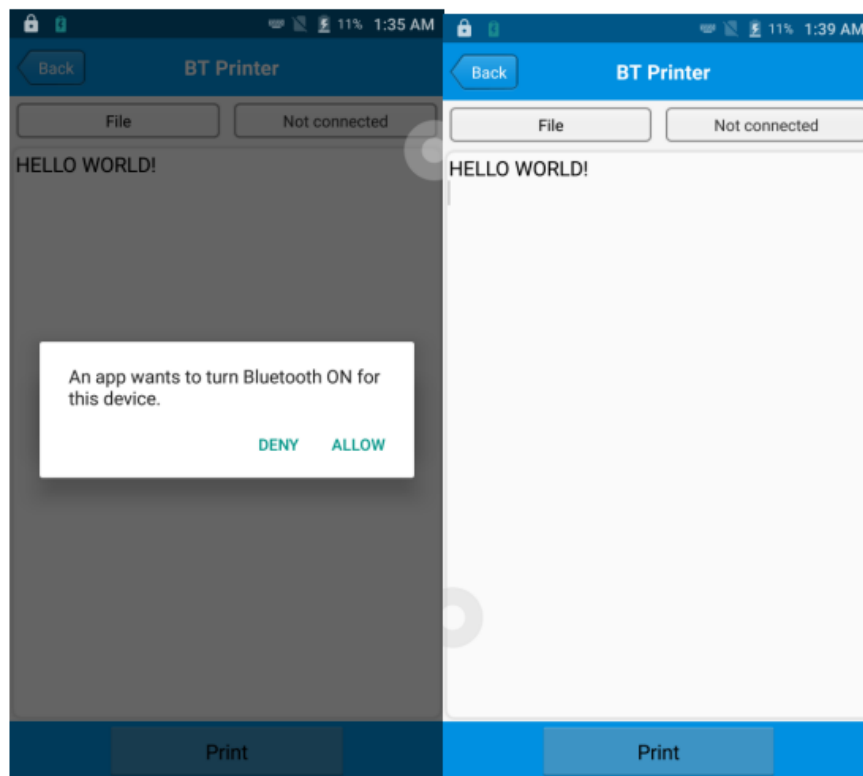
### PING tool

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



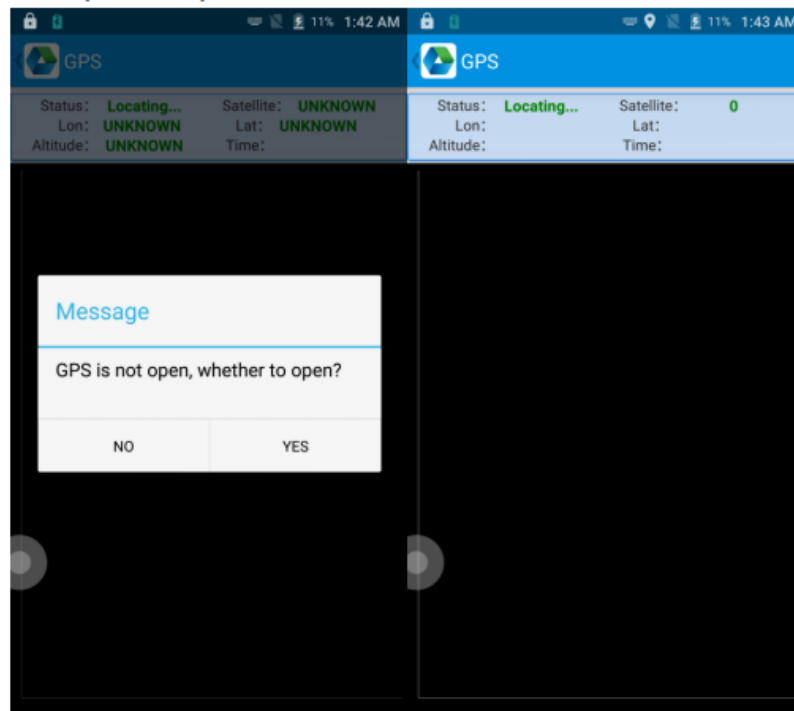
## Bluetooth

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.



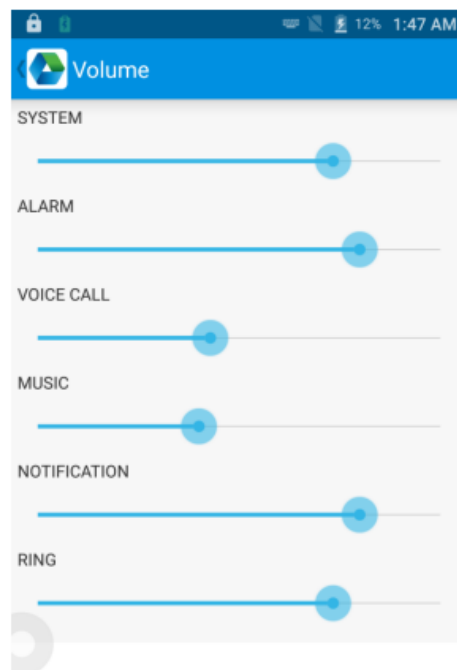
## GPS

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



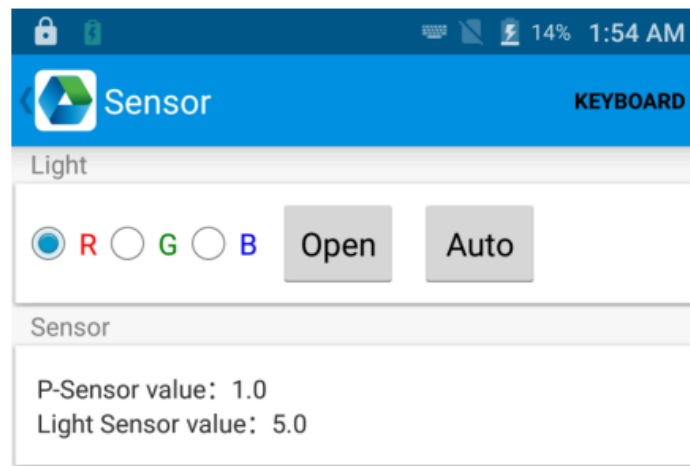
## Volume setup

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



## Sensor

1. Click “Sensor” in App Center.
2. Setup the sensor by requirements.



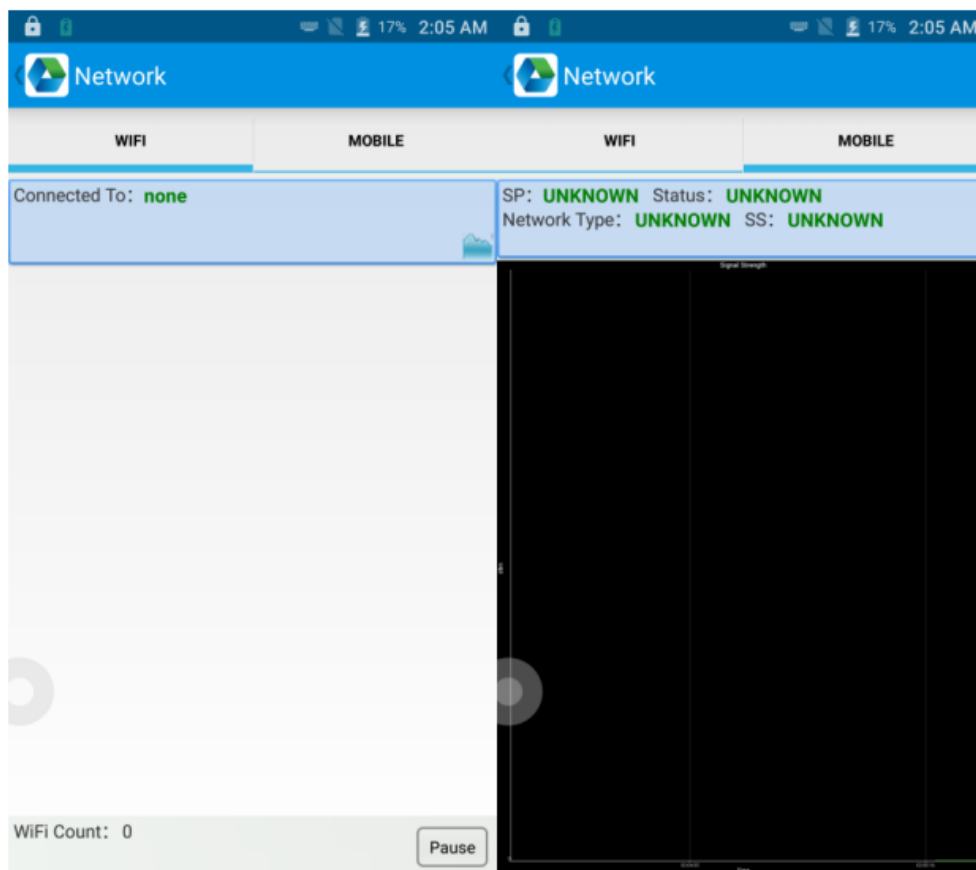
## Keyboard

1. Click "Keyboard" in App Center.
2. Setup and test the main value of the device.



## Network

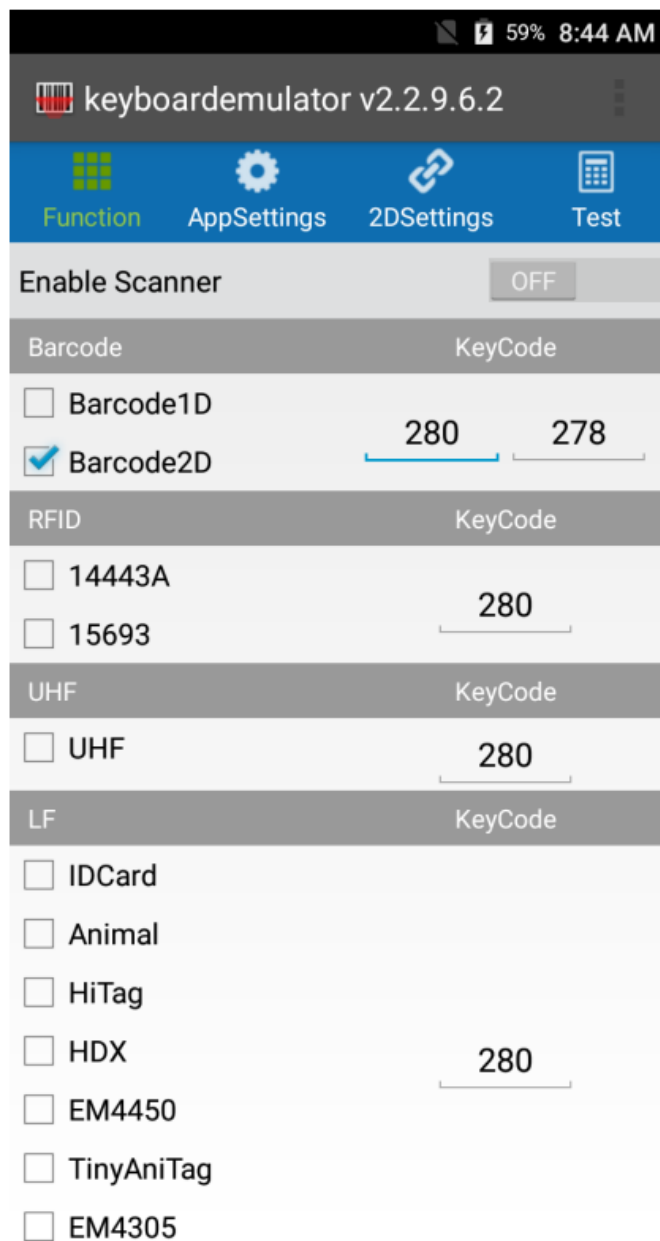
1. Click "Network" in App Center.
2. Test WIFI/Mobile signal by requirements.



## Keyboard emulator

The keyboard emulator can be used in multiple operating background and output formats directly. And it includes Prefix/Suffix/Enter/TAB.

Please check Keyboard emulator manual for more details.



## Device characteristic

### Physical characteristics

<b>Size</b>	160x76x15.5mm / 6.3*2.99*0.61in
<b>Weight</b>	287g/10.12oz(with battery)
<b>Display</b>	5.45-inch display, IPS LTPS 1440*720

<b>Touch panel</b>	Corning Gorilla Glass, multi-touch panel, gloves and wet hands supported
<b>Battery</b>	<p>4300mAh removable main battery, 5200mAh optional pistol battery, support QC3.0 and RTC</p> <p>Standby: over 300 hours (only main battery)</p> <p>Continuous use: over 12 hours (depending on user environment)</p> <p>Charging time: 2.5hours (charge device by standard adaptor and USB cable)</p>
<b>Expansion</b>	Supports up to 128 GB Micro SD card
<b>Expansion Slot</b>	2 slot for SIM card, 1 slot for TF card
<b>Audio</b>	2 Microphones, 1 for noise reduction
<b>Camera</b>	13MP autofocus camera with flashlight

## Performance

<b>CPU</b>	Qualcomm Octa-core 1.8GHz / 2.0GHz
<b>OS</b>	Android 9.0 / Android 7.1
<b>RAM</b>	2GB / 3GB
<b>Communication Interface</b>	USB3.0, Type-C, OTG
<b>ROM</b>	16GB/32GB



<b>Max. expansion</b>	Supports up to 128 GB Micro SD card
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## User environment

<b>Operating temp.</b>	-20°C to 50°C	
<b>Storage Temp.</b>	-40°C to 70°C	
<b>Humidity</b>	5%RH – 95%RH non condensing	
<b>Sealing</b>	IP65, IEC sealing standard	
<b>Drop specification</b>	<p>Multiple 1.5m/4.9ft drops (at least 20 times) to the concrete across the operating temperature range</p> <p>Multiple 2.4m/7.87ft drops (at least 20 times) to the concrete after installed rubber bumper</p>	

## Data collection

<b>Barcode scanning</b>	SE4710
<b>RFID</b>	NFC 13.56Mhz

## Developing Environment

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

## Frequently Asked Questions

**Q: Can the C66 terminal be used in extreme temperatures?**

**A:** The C66 terminal is designed for industrial use and can withstand a wide range of temperatures, but it is recommended to operate within the specified temperature range for optimal performance.


**Q: How do I update the software on the C66 terminal?**

**A:** To update the software on the C66 terminal, please refer to the user manual or contact technical support for detailed instructions on the software update process.

**Q: Is the C66 terminal compatible with third-party applications?**

**A:** The C66 terminal supports Android applications, but compatibility with third-party applications may vary. It is recommended to test compatibility before full deployment.

## Documents / Resources

	<p><a href="#">CHAINWAY C66 Android Mobile Computer Barcode Scanner [pdf]</a> User Manual</p> <p>C66, C66 Android Mobile Computer Barcode Scanner, C66, Android Mobile Computer Barcode Scanner, Computer Barcode Scanner, Barcode Scanner, Scanner</p>
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## References

- [User Manual](#)

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