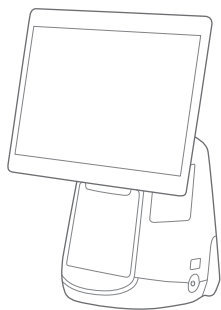


T2

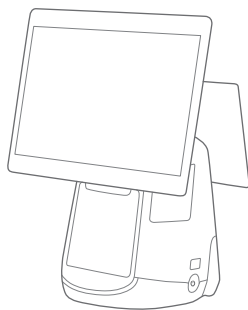
User Manual Book

Before operating this unit
please read these instructions completely and save them

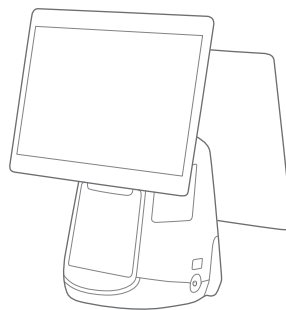
Three options for sub screen of T2



15.6" main screen only
(L1521)



15.6" main screen+10.1"
consumer screen
(L1522)



15.6" main screen+15.6"
touch screen
(L1523)

Simplified Setting

It only takes a few steps to turn on this intelligent commercial POS machine:

- 1 Press the power button, and then the screen lights up. Follow the instructions shown on the initial start-up interface. Two Internet access modes are available for your option.
- 2 WIFI setting
 - Press the [Setting] button, start WLAN to enter the WLAN search interface, and search for the available WLAN hotspots.
 - Press the WLAN to be connected. If an encrypted network is selected, a password is required for connection.
- 3 LAN setting

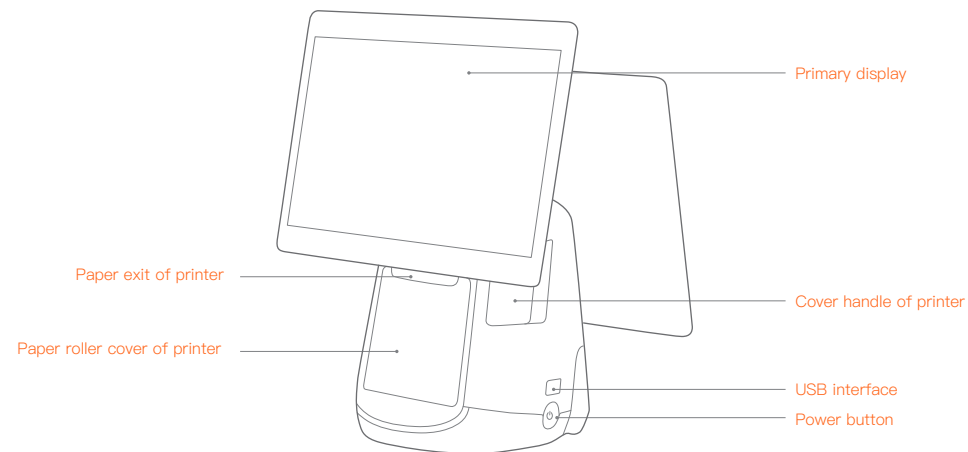
How to download/use App

The POS is applicable to cashing environments of commercial customers from a wide variety of sectors such as catering services, high-end department stores, convenience stores, banking services, information stations, interactive multimedia facilities, advertisingexposure systems, etc. Open the App Market while you are connected to the Internet to view, download and install the App.

Access the Help App in the POS machine for more use instructions

Introduction to POS

"Take dual 15.6" as sample"



Power button

Press the power button to start the POS when the machine is powered off;
Press the power button for 2-3 seconds to turn off or restart the POS when the machine is working.
Press the power button for 11 seconds to power off the machine when it crashes.

USB interface

For connecting an external keyboard, mouse or U-disk.

Paper exit of printer

For printing a receipt at the power-on state.

Cover handle of printer

For opening the paper roller cover of the printer to change paper.

Primary display

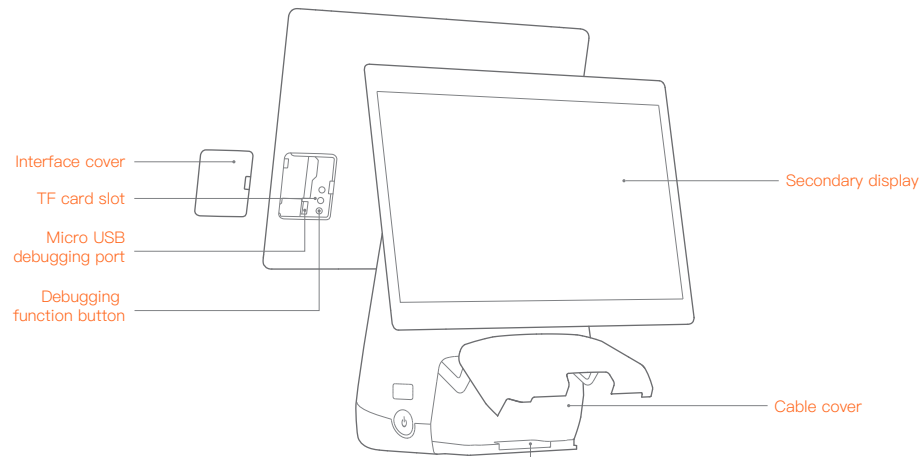
A touchscreen for operators.

Secondary display

A screen that plays advertisement for customers. It is optional, based on the POS.

Cable cover

Behind the cover are ports that connect various cables.



TF card slot

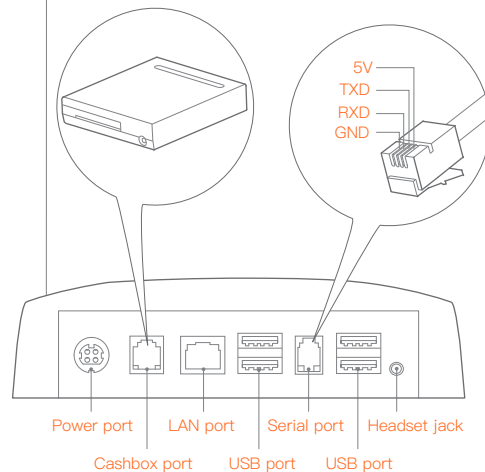
For connecting an external TF memory card.

Micro USB debugging port, debugging function button

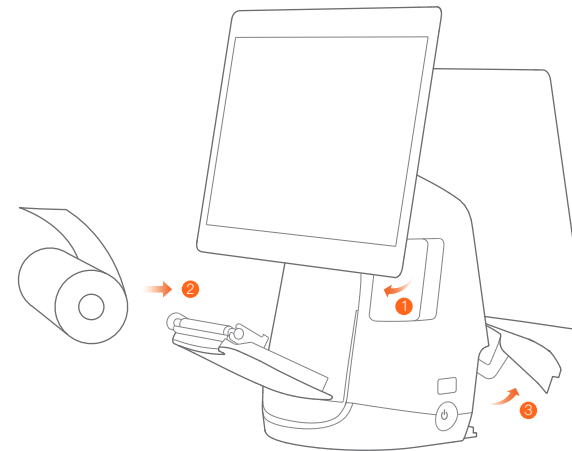
For debugging the POS.

Cashbox Port

This port can only supports 24V/1A cashbox.If you use a 12V cashbox, there maybe has a potential risk of circuit burns.



POS Machine Installation



1 Open the paper roller cover

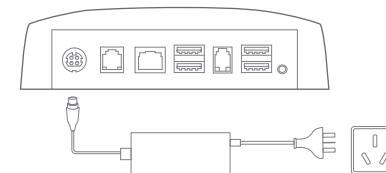
Pull the printer handle out, and the paper roller cover pops out automatically.

2 Install printing paper

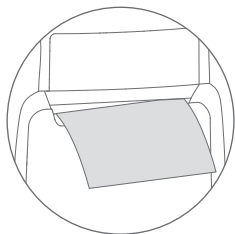
Place 80mm thermo-sensitive paper, pull out a section from the paper exit, and then close the paper roller door.

3 Connect the power cable

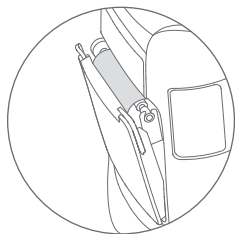
Connect the power interface of the adapter to the power port at the bottom of the POS. Connect the other end of the adapter to the power socket.



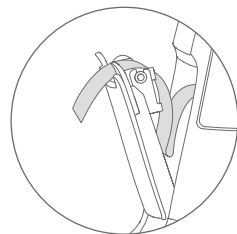
Wrong Operation



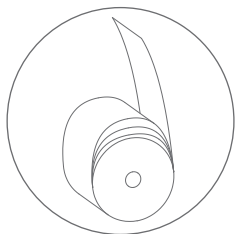
Please do not tilt the printing paper.



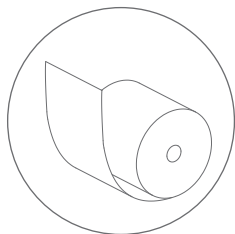
Please do not get printing paper caught in the aperture of the paper case cover by accident.



Do not pull the printing paper roll in the paper case tray too long.

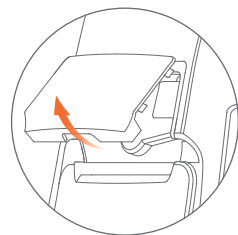


Please do not put loose paper into the paper case.

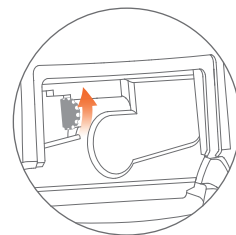


Please pay attention to the correct orientation of the printing paper.

Paper Jammed Troubleshooting



① Firstly, open outward the cover of the printer cutter



② Secondly, adjust the cutter knob upwards until it is removed.

Common Troubleshooting

Symptom	Solution
Device Crash	<ul style="list-style-type: none">· Press the power button for 11 seconds to reboot.
Printer Out of Service	<ul style="list-style-type: none">· Make sure the paper roller cover is closed properly;· Please check if it is the paper jam;
If got an empty printout	<ul style="list-style-type: none">· Please check if put the thermal paper in the wrong side;· Please check if you have used the appropriate 80mm width thermal paper;
If got a garbled printout	<ul style="list-style-type: none">· Please check if the print head was not clean, if so, please use a cotton-wool bud with alcohol to clean it;· Please use the thermal paper with high quality to avoid the garbled printout;

Specification

Operating system	Android 7.1
Processor	Qualcomm Snapdragon Qcta-core
Main-screen	15.6-inch FHD1920×1080 resolution
Memory	16GB ROM + 2GB RAM
Touchscreen	Multi-touch capacitive screen
WiFi	Dual-band WiFi, 802.11a/b/g/n(2.4GHz/5GHz) supported
Bluetooth	Bluetooth 4.0 BLE and iBeacon supported
Printer	80mm printer head, paper roll diameter of 80mm, with an auto-cutter
Speaker	1.2W each, max 90dB
External memory card	MicroSD (TF) supported, maximum 64GB
External ports	5 × USB type-A ports, 1 × RJ11 serial port, 1 × RJ12 24v cashbox port, 1 × RJ45 LAN port, 1 × headset jack, 1 × power port, 1 × Micro-USB debugging port
Overall dimensions (H×W×D) cm	40.7 × 38.2 × 23.2cm
Power adapfor	Model: EA10681P-240 Input: AC 100~240V/2.0A Output: DC 24V/2.5A

Specification of 15.6 " customer display

Monitor	15.6-inch FHD1920×1080 resolution
Touchscreen	Multi-touch capacitive screen

Specification of 10.1 " customer display

Monitor	10.1-inch 1024×600 resolution
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Name and Content of Toxic or Harmful Substances in this Product

Part Name	Toxic or Harmful Substances or Elements					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr(VII))	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Components of circuit board	×	○	○	○	○	○
Print head component	×	○	○	○	○	○

○ : Means that the content of the toxic or harmful substance in all homogeneous materials of this part is below the limit stipulated in SJ/T11363-2006.

× : Means that the content of the toxic or harmful substance in at least one of the homogeneous materials of this part is beyond the limit stipulated in SJ/T11363-2006; but as for the component marked with "x" on the table, the content is beyond the limit since there is no alternative mature technology in the industry yet.

The products reaching or exceeding the environmental service life shall be recycled per "Regulations on the Control and Management of Electronic Information Products" and shall not be littered.

Package content

☑ T2 ☑ Instruction Manual

Precautions

Warning

- Please insert the AC plug into the AC outlet according to the identifying input on the power adapter;
- It is prohibited to use the device in any places with potential explosive gases;
- Nonprofessionals shall not open the power adapter anyhow so as to avoid dangers;
- The device is a Grade A product. In living environment, the product may cause radio interference. Therefore, users may be required to take practical measures against the interference.
- About the battery replacement:
 1. It may cause explosion with wrong type battery
 2. Old battery which is replaced should be handled by repair man, do not put it in fire!
- Adapter shall be installed near the equipment and shall be easily accessible.
- The operating temperature of the device between 0°C to 45°C.
- The device complies with RF specifications when the device used at 20cm form your body.
- This product can be used across EU member states.

Recommendation

- Do not use the device near water or in humid environment.Keep liquid from falling onto the terminal;
- Do not use the device in extremely cold and hot environment, e.g. around fire or lighted cigarettes;
- Do not smash, throw or bend the device;
- Use the device in clean and dustfree environment as much as possible and keep small items from falling into the terminal;
- Do not use it near medical devices unless permitted.

Important Safety Instructions

- Avoid installing or using during thunder and lightning,other wise lightning stroke may occur;
- Cut off the power immediately if there is abnormal smell, overheating or smog;
- Do not touch the sharp paper cutting tool!

Statement

The company is not responsible for the following behaviors:

- Damages caused by using and maintaining the device without following the User Guide;
- Damages or problems caused by selection of objects or Consumables (products which are not the initial ones provided or recognized by the company).
In this case, the company will not undertake any responsibility. No one is entitled to modify or change the product unless permitted by the company.

Disclaimer

Discrepancies between the product and the file concerning details may raise due to product updates. Please be subject to the material object. The company reserves the right to interpret the file and the right to revise this manual without prior notices.

Please make sure the temperature for adapter will be from -10 °C to 40 °C.

Please make sure the temperature for device will be from -10 °C to 40 °C.

FCC Regulations:

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.

This device 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 radiated 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 theinterference 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.

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

The device complies with RF specifications when the device used at 20cm form your body.

Technical features and characteristic

the product includes the following features and characteristics:

	Operation Frequency	Transmitted
BT	2402MHz~2480MHz	6dBm
BLE	2402MHz~2480MHz	1dBm
wifi	2412MHz~2462MHz	18dBm
wifi	5150MHz~5250MHz 5725MHz~5850MHz	14dBm

T2 LITE

POS User Manual Book

This Manual Book shall be read carefully before use and remained in safe hands.

Three options for sub screen of intelligent POS machine



15.6 " main screen only
(T3521)



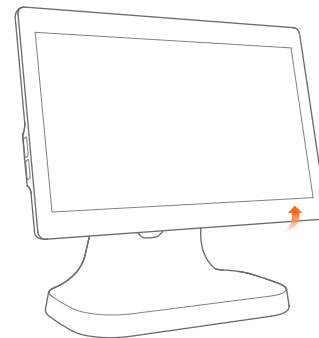
15.6 " main screen+10.1 " consumer screen
(T3522)



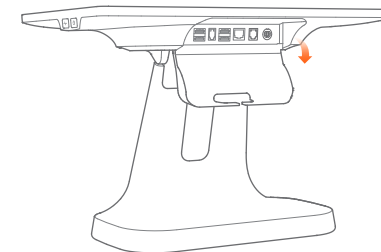
15.6 " main screen+15.6 " consumer screen
(T3523)

Quick Installation Guide

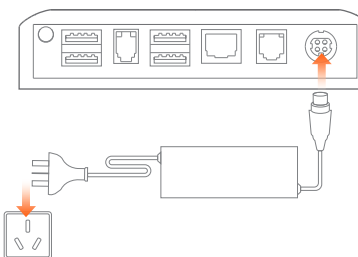
"Take main screen as sample"



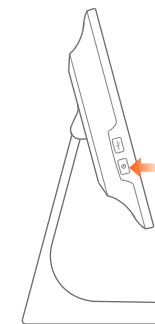
1. Rotate the display to a horizontal state



2. Open the line hide cover



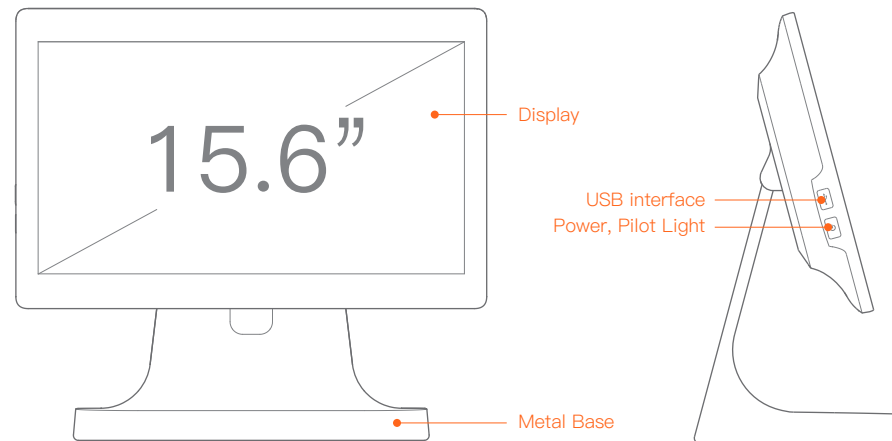
3. Connect the power interface of the adapter to the power port at the bottom of the mainframe. And insert the other side of the adapter to electric supply sockets



4. Press the power button for two seconds to turn on.

Product Introduction

“Take main screen as sample”



Power

In the state of power off, a short press turns on the computer.

In the state of normal use, press on the power button for two or three seconds to choose power off or restart.

In the state of system halted, press on the power button for 11 seconds for power off.

Pilot Light

Blue light on when the power is on.
Light off when the power is off.

USB Interface

For external keyboard, mouse and USB drive.

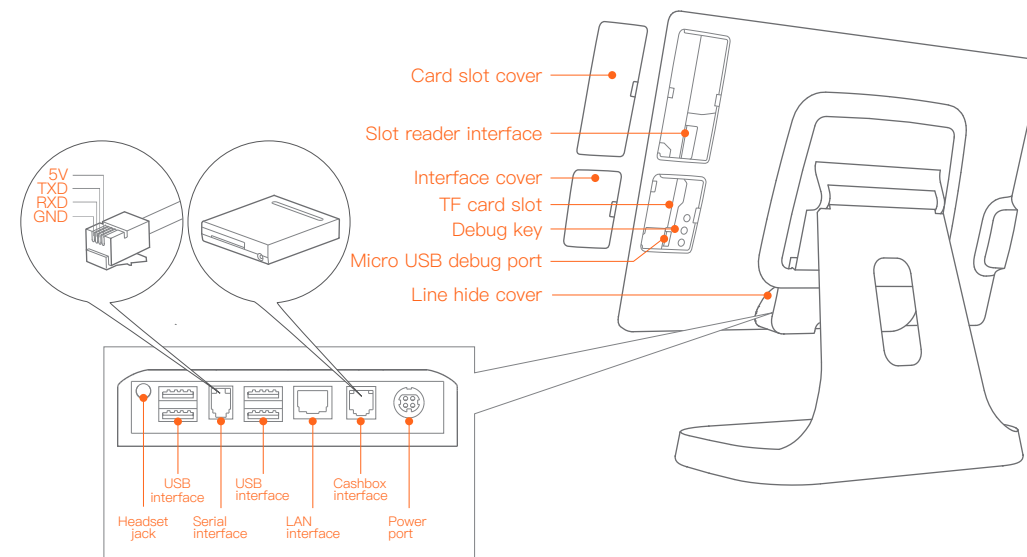
Display

For the touch screen used by the operator.

Metal Base

For supporting the display when put on the desktop.

Able to be replaced with the VESA suspension bracket.



Slot reader interface

For external MSR/RIFD POS

Card slot is an optional part which may not be contained according to configuration.

TF card slot

For external TF card.

Micro USB debug port, debug key

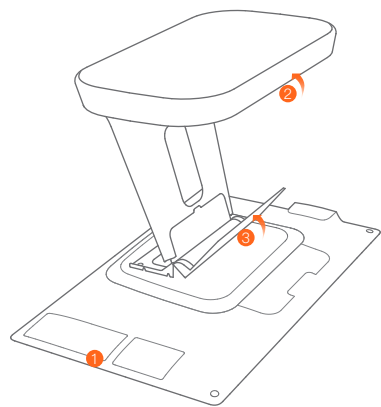
For facility debugging.

Cashbox Interface

For external cashbox with 120ms electric pulse output. No continuous power supply.
This facility only supports 24V/1A cashbox. There may exist hidden troubles that will burn the circuit of the cashbox in case of 12V cashbox.

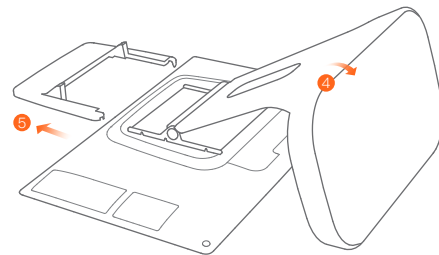
Installation Steps for the VESA Bracket

“Limited main screen only”



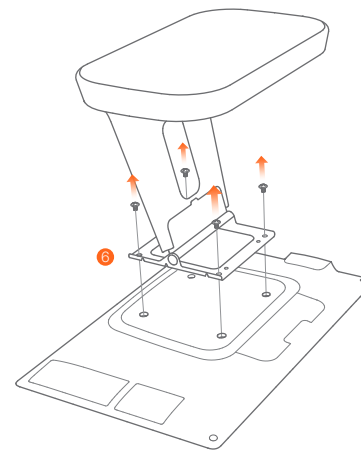
Remove the base

1. Put the display flat on the desktop with its face down.
2. Rotate the metal base to a vertical state.
3. Remove the lower cover of the bracket.



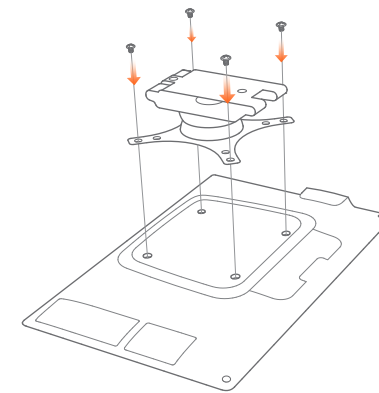
Remove the base

4. Rotate the metal base to a horizontal state.
5. Remove the upper cover of the bracket.



Remove the base

6. Unscrew the four M4 screws with a screwdriver and complete the removal of base.



Install VESA accessories

1. Put the VESA bracket aligning to four screw holes according to required direction.
2. Use the four M4 screws removed from the base to fix the VESA bracket.
3. Install the bracket on the wall or desk in accordance with VESA bracket manual book and complete the installation of VESA suspension bracket.

Note: This machine only supports the installation for VESA MIS-D (100×100mm) suspension bracket. The VESA bracket is an optional accessory which needs to be purchased by the user.

Minimal Settings

Only a few steps to turn on the intelligent business equipment.

- 1

Press the power button and the screen lights on. Enter the first start-up screen and operate according to the prompt. Two modes of Internet access are available.
- 2

Wi-Fi setting.

· Press [Setting] and start WLAN. Enter the searching interface of WLAN, waiting for WLAN network available;

· Click on the WLAN to be connected. A password is required for access if an encrypted network is chosen.
- 3

Setting of LAN

How to download/use the application

This POS machine is suitable for cashier environment of business customers of different industries including Chinese and Western foodservice industry, exclusive department store, convenience store, the banking service industry, consulting station, interactive multimedia and advertisement broadcast system, etc. Relevant apps can be scanned, downloaded and installed in the application store with access to the internet.

Please read the built-in Help APP for more help.

Basic Parameters for POS Machine

Operating system	Android 7.1
Processor	Qualcomm snapdragon Qcta-core processor
Display resolution	15.6'' resolution HD 1920 x 1080
Storage	16GB ROM + 2GB RAM
Touch screen	Multi-touch capacitive display
Wi-Fi	Support 802.11b/g/n 2.4GHz
Bluetooth	Support Bluetooth 3.0/4.0 and iBeacon
Loudspeaker	Single 1.2W voice reaches 90db
External interface	5 x USB Type A interfaces, 1x RJ11 serial interface, 1 x RJ12 24V cashbox interface, 1x RJ45 LAN interface, 1 x headset jack, 1x power port, 1x Micro-USB debug interface
External storage card	MicroSD (TF), 64G maximum
VESA(limited main screen only)	In accordance with VESA MIS-D 100x100mm Standard
Item dimension	H 35cm x W 38cm x T 17cm
AC adapter	Model:CYZS36-240150 Input:AC 100~240V,50/60Hz,1.5A Output:DC 24V,1.5A

Specification of 15.6" customer display

Display resolution	15.6'' resolution HD 1920 x 1080
Touch screen	Multi-touch capacitive display

Specification of 10.1" customer display

Display resolution	10.1'' resolution HD 1024 x 600
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Configurations and parameters listed in this page are indicative and actual products on the market shall prevail.

Precautions

Warning

- Please insert the AC plug into the AC outlet according to the identifying input on the power adapter;
- It is prohibited to use the device in any places with potential explosive gases;
- Nonprofessionals shall not open the power adapter anyhow so as to avoid dangers;
- The device is a Grade A product. In living environment, the product may cause radio interference. Therefore, users may be required to take practical measures against the interference.
- About the battery replacement:
 1. It may cause explosion with wrong type battery
 2. Old battery which is replaced should be handled by repair man, do not put it in fire!
- Adapter shall be installed near the equipment and shall be easily accessible.
- The operating temperature of the device between 0°C to 45°C.
- The device complies with RF specifications when the device used at 20cm from your body.
- This product can be used across EU member states.

Recommendation

- Do not use the device near water or in humid environment.Keep liquid from falling onto the terminal;
- Do not use the device in extremely cold and hot environment, e.g. around fire or lighted cigarettes;
- Do not smash, throw or bend the device;
- Use the device in clean and dustfree environment as much as possible and keep small items from falling into the terminal;
- Do not use it near medical devices unless permitted.

Important Safety Instructions

- Avoid installing or using during thunder and lightning,other wise lightning stroke may occur;
- Cut off the power immediately if there is abnormal smell, overheating or smog!

Statement

The company is not responsible for the following behaviors:

- Damages caused by using and maintaiing the device without following the User Guide;
- Damages or problems caused by selection of objects or Consumables (products which are not the initial ones provided or recognized by the company).
In this case, the company will not undertake any responsibility.
- No one is entitled to modify or change the product unless permitted by the company.

Disclaimer

Discrepancies between the product and the file concerning details may raise due to product updates. Please be subject to the material object. The company reserves the right to interpret the file and the right to revise this manual without prior notices.

Please make sure the temperature for adapter will be from -10 °C to 40 °C.

Please make sure the temperature for device will be from -10 °C to 40 °C.

Name and Content of Toxic or Harmful Substances in this Product

Part Name	Toxic or Harmful Substances or Elements					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr(VI))	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Components of circuit board	×	○	○	○	○	○
Print head component	×	○	○	○	○	○

- : Means that the content of the toxic or harmful substance in all homogeneous materials of this part is below the limit stipulated in SJ/T11363-2006.
- × : Means that the content of the toxic or harmful substance in at least one of the homogeneous materials of this part is beyond the limit stipulated in SJ/T11363-2006; but as for the component marked with "x" on the table, the content is beyond the limit since there is no alternative mature technology in the industry yet.

The products reaching or exceeding the environmental service life shall be recycled per "Regulations on the Control and Management of Electronic Information Products" and shall not be littered.

Package content

- ☑ 1× main machine
- ☑ 1× user manual
- ☑ 1× power adapter

Manufacture

Room 505, KIC Plaza, No.388 Song Hu Road, Yang Pu District, Shanghai, China

EU Regulatory Conformance

Hereby, Shanghai Sunmi Technology Co., Ltd. declares that the radio equipment type is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: www.sunmi.com



Notice: Observe the national local regulations in the location where the device is to be used. This device may be restricted for use in some or all member states of the European Union (EU).

Adapter shall be installed near the equipment and shall be easily accessible.

The operating temperature of the device between 0°C to 45°C.

The device complies with RF specifications when the device is used at 20cm from your body.

This product can be used across EU member states.

FCC Regulations:

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.

This device 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.

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

Technical features and characteristics

the product includes the following features and characteristics:

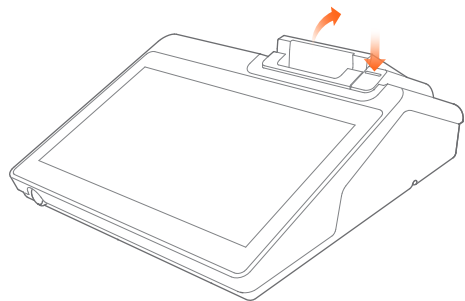
BT	
Operation Frequency	2402MHz~2480MHz
Transmitted	2dBm
BLE	
Operation Frequency	2402MHz~2480MHz
Transmitted	2dBm
WIFI	
Operation Frequency	2412MHz~2462MHz
Transmitted	18dBm

T2 MINI

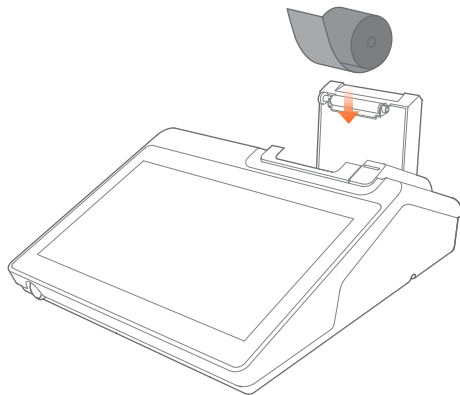
POS User Manual Book

Before using this product, please carefully read this manual and keep it properly.

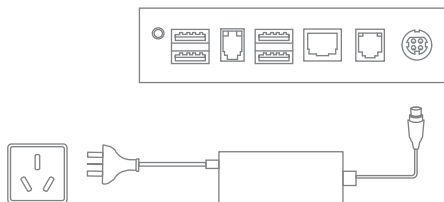
Guide for quick installation



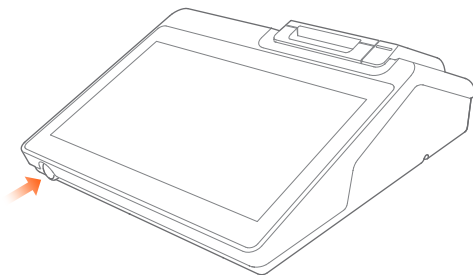
1 Press the open button to open the cover of the printer.



2 Place the thermal paper in the printer.



3 Connect with the power supply.



4 Press ON button and the printer will be turned on in two seconds.

Simple Settings

To start this intelligent device for commercial use, you only need several steps.

- 1** Press ON button to light the screen. First entering the startup screen, follow the prompts. You can choose from two network modes on this device.
- 2** Wi-Fi settings
 - Click "Settings" button and open WLAN to enter the WLAN-searching interface. Wait for the list of available WLAN hotspots.
 - Click corresponding WLAN. If an encrypted network is selected, the device will not be connected to the WLAN until the password is entered.
- 3** LAN settings

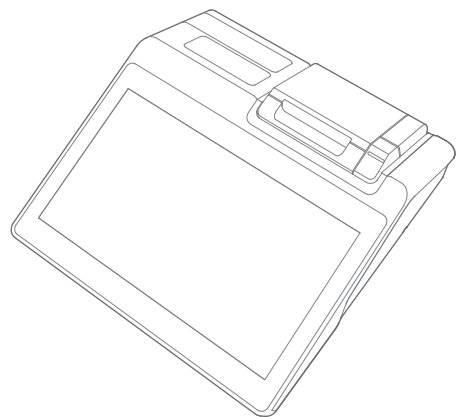
How to download/use APPs

Relevant Apps can be downloaded while the network is connected. Open the App market, and search and download the App to complete the installation.

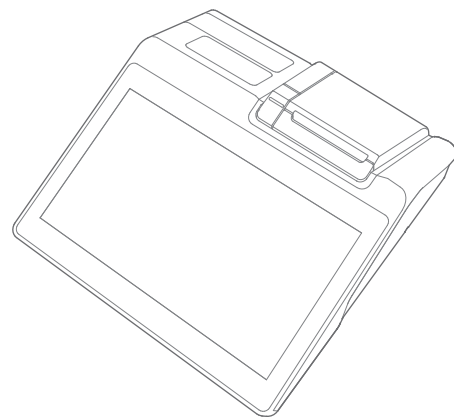
To inquire detailed information of the above software: select "settings -> application", and select corresponding software to inquire its information;
how to uninstall the software: select "settings -> application -> application management -> uninstall" to uninstall the application; or press the icon and drag it into the trash can to uninstall it.

For more help, please refer to the Help App inside the device

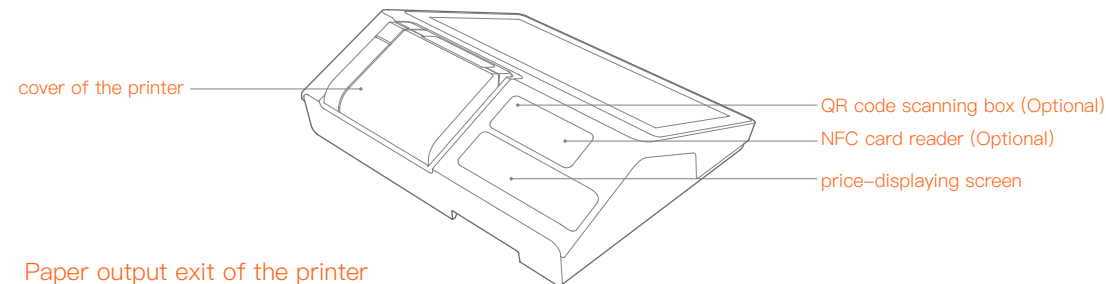
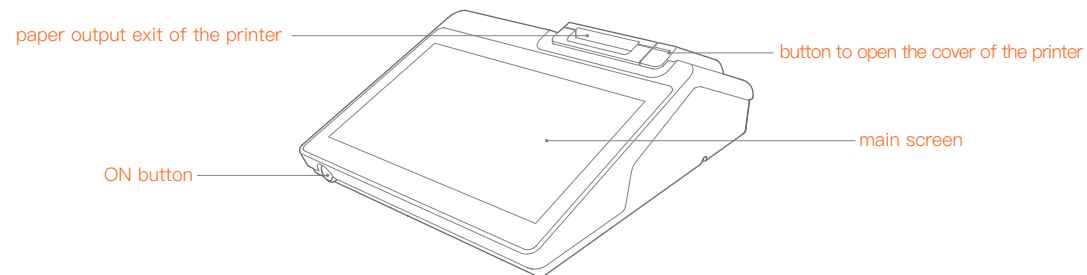
Introduction to the POS



58 thermal printer version
(L1320/L1321)



80 thermal printer version
(L1322/L1323)



Paper output exit of the printer

It is used to print receipts when the device is on.

Button to open the cover of the printer

It is used to open the cover of the printer and change the paper.

Main screen

It is the touch screen used by the operator.

ON button

While the device is off, click the ON button to turn on the machine;
While the device is under use, press ON button for 2 to 3 seconds to turn on or turn off the device.
While the device is on, press ON button for 11 seconds to turn off the device.

QR code scanning box

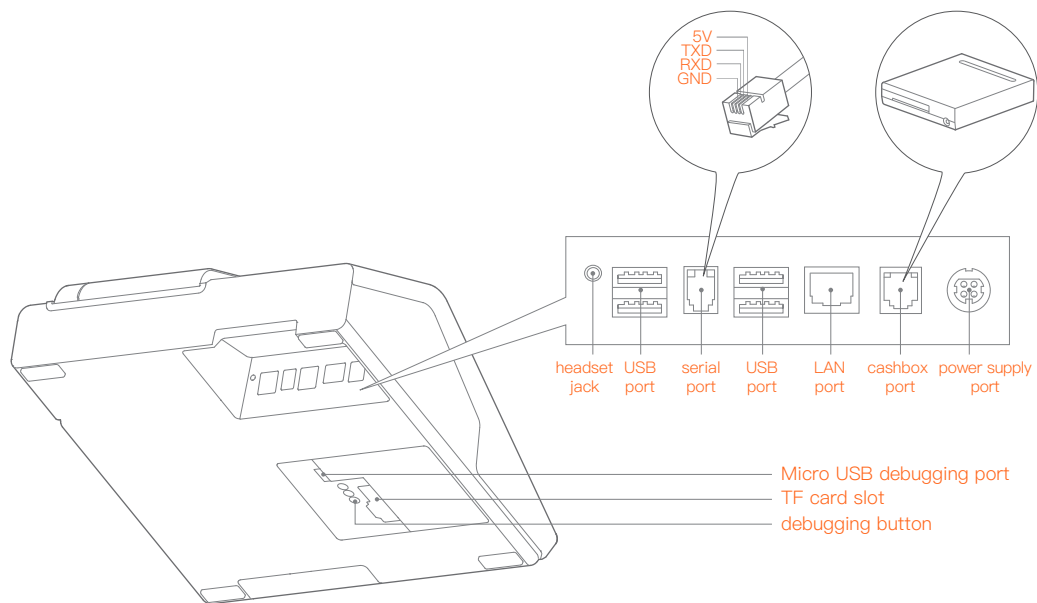
QR code scanning box is used by users to scan QR code to pay the fee. The function of QR code scanning is optional. According to the configuration, this function may not be equipped.

NFC card reader

It is used for sensing M1 card, NFC is optional, according to the configuration, this function may not be equipped.

Price-displaying screen

It is used for displaying the price information of the customer.



TF card slot

It is used for external expansion TF memory card.

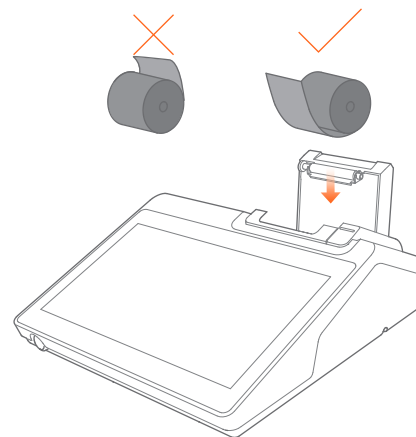
Micro USB debugging port, debugging button

They are used to debug the device.

Cashbox port

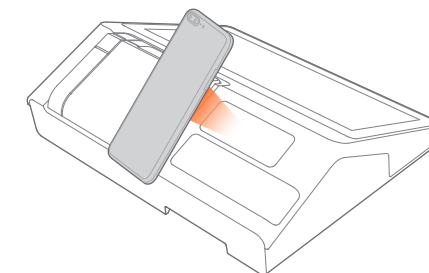
It is used to connect the cashbox, with an electrical impulse of 120ms and no continuous power supply being provided. This device only supports external connection with 24V/1A cashbox. If 12V cashbox is used, there may be risks that the circuit of the cashbox will be burnt.

Instruction to load paper



Description of the paper

58 version supports the thermal paper with the size of $57\pm 0.5\text{mm} \times \varnothing 60\text{mm}$;
80 version supports the thermal paper with the size of $79\pm 0.5\text{mm} \times \varnothing 60\text{mm}$.



Description to QR code scanning by cellphone

The version with the function of QR code scanning supports this function and can recognize the QR code for payment by cellphone.

Regular fault debugging

Problems	Solutions
What if the printer is dead?	Press the ON button for 11 seconds, then the printer is off. Click the ON button to turn the printer on.
What if the printer does not work?	Make sure the cover is closed correctly. Make sure whether the paper is jammed.
What if the printed paper is blank?	Please check whether the paper roll is put upside down; Please check whether wrong thermal paper roll is used.
What if the printing is blur?	Please check whether the thermal printhead is dirty. If it is, please clean it with swab that has been dipped in anhydrous alcohol. Please use quality thermal paper to avoid blur printing due to bad quality of paper.

Name and content of toxic and harmful substances contained in this product are shown in the following table

Name of parts	Toxic and harmful substances and elements					
	(Pb)	(Hg)	(Cd)	(Cr(VI))	(PBB)	(PBDE)
Circuit board	×	○	○	○	○	○
Shell	○	○	○	○	○	○

✕ :It indicates that the content of toxic and harmful substances is higher than the limit specified in SJ/T11363-2006 in at least one homogeneous material of this part; however, the reason why the toxic substance of that part exceeds the limit is that there is no applicable material to replace it currently.

[illegible]

Precautions

Warning

- Please insert the AC plug into the AC outlet according to the identifying input on the power adapter;
- It is prohibited to use the device in any places with potential explosive gases;
- Nonprofessionals shall not open the power adapter anyhow so as to avoid dangers;
- The device is a Grade A product. In living environment, the product may cause radio interference. Therefore, users may be required to take practical measures against the interference.
- About the battery replacement:
 1. It may cause explosion with wrong type battery
 2. Old battery which is replaced should be handled by repair man, do not put it in fire!
- Adapter shall be installed near the equipment and shall be easily accessible.
- The operating temperature of the device between -10°C to 55°C.
- The device complies with RF specifications when the device used at 20cm from your body.
- This product can be used across EU member states.

Recommendation

- Do not use the device near water or in humid environment.Keep liquid from falling onto the terminal;
- Do not use the device in extremely cold and hot environment, e.g. around fire or lighted cigarettes;
- Do not smash, throw or bend the device;
- Use the device in clean and dustfree environment as much as possible and keep small items from falling into the terminal;
- Do not use it near medical devices unless permitted.

Important Safety Instructions

- Avoid installing or using during thunder and lightning,other wise lightning stroke may occur;
- Cut off the power immediately if there is abnormal smell, overheating or smog;
- Do not touch the sharp paper cutting tool!

Statement

The company is not responsible for the following behaviors:

- Damages caused by using and maintaining the device without following the User Guide;
- Damages or problems caused by selection of objects or consumables (products which are not the initial ones provided or recognized by the company);
- No one is entitled to modify or change the product unless permitted by the company;
- The operating system of this product supports the official system update.If the third party's ROM system is swiped by the user or the system file is modified with cracking method, it may lead to the instability of the system and bring about safety risk & security threat.

Disclaimer

Discrepancies between the product and the file concerning details may raise due to product updates. Please be subject to the material object. The company reserves the right to interpret the file and the right to revise this manual without prior notices.

Please make sure the temperature for adapter will be from -10 °C to 55 °C.

Please make sure the temperature for device will be from -10 °C to 55 °C.

EU Regulatory Conformance

Hereby, Shanghai Sunmi Technology Co., Ltd. declares that the radio equipment type is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: www.sunmi.com

Notice: The device complies with RF specifications when the device used at least 20cm from human body.



FCC Regulations:

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.

This device 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 radiated 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.

Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provide with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

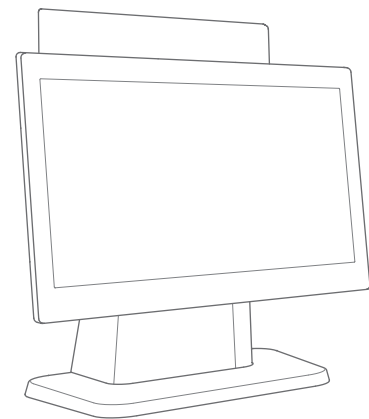
Contents of Package

- ☑ 1× main machine
- ☑ 1× user manual
- ☑ 1× power adapter

Manufacture

Shanghai Sunmi Technology Co.,Ltd.
Room 505, KIC Plaza, No.388 Song Hu Road, Yang Pu District, Shanghai, China

Two options of POS machine



15.6 " main screen+10.1 " consumer screen (L3512)

Minimal Settings

Only a few steps to turn on the intelligent business equipment.

- 1 Press the power button and the screen lights on. Enter the first start-up screen and operate according to the prompt. Two modes of Internet access are available.
- 2 Wi-Fi setting.
 - Press [Setting] and start WLAN. Enter the searching interface of WLAN, waiting for WLAN network available;
 - Click on the WLAN to be connected. A password is required for access if an encrypted network is chosen.
- 3 Setting of LAN

How to download/use APPs

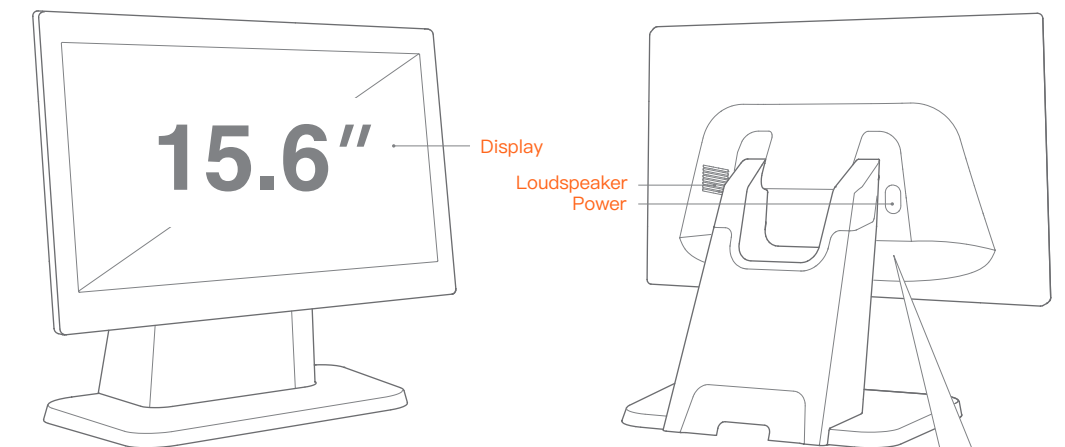
Relevant APPs can be downloaded while the network is connected. Open the App market, and search and download the APP to complete the installation.

To inquire detailed information of the above software: select “settings -> application”, and select corresponding software to inquire its information;
how to uninstall the software: select “settings -> application -> application management -> uninstall” to uninstall the application; or press the icon and drag it into the trash can to uninstall it.

Please read the built-in Help APP for more help.

Product Introduction

“Take main screen as sample”



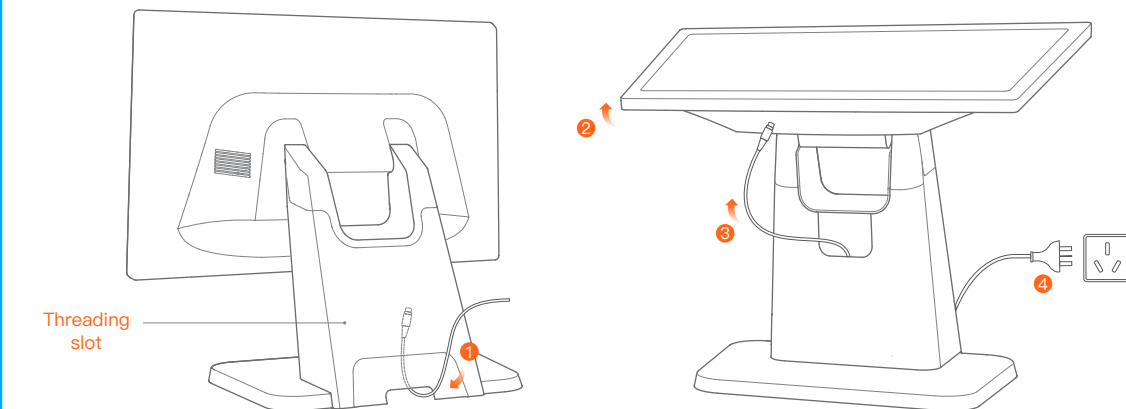
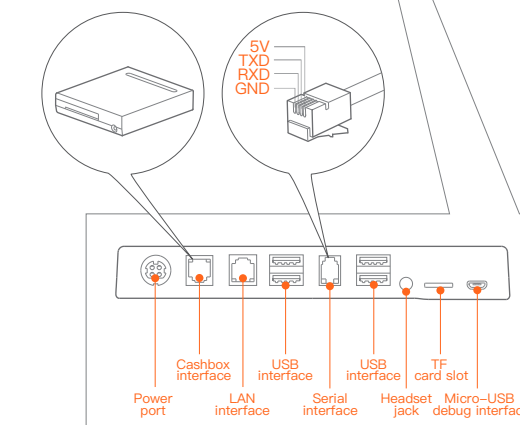
Power

In the state of power off, a short press turns on the machine.

In the state of normal use, press on the power button for two or three seconds to choose power off or restart.

In the state of system halted, press on the power button for 11 seconds for power off.

Display



Threading installation

- 1 Thread the power line through the rear via hole of the base;
- 2 Turn the screen over to expose the threading hole;
- 3 Connect the power interface of the adapter to the power port at the bottom of the host;
- 4 Insert the other plug of the adapter into the mains socket.

Basic Parameters for POS Machine

Operating system	SUNMI OS 2.0 (Based on Android 7.1)
Processor	Single screen: Cortex-A53, 1.5GHz Dual screen: Cortex-A17, 1.8GHz
Display resolution	15.6’’ resolution HD 1366 x 768
Storage	Single screen: 8GB ROM + 1GB RAM Dual screen: 8GB ROM + 2GB RAM
Touch screen	Multi-touch capacitive display
Wi-Fi	Support 802.11b/g/n 2.4GHz (CH1-CH13 for CE, CH1-CH11 for FCC)
Bluetooth	Support Bluetooth 2.1/3.0/4.0
Loudspeaker	Single 1.2W voice reaches 90db
External interface	4 x USB Type A interfaces, 1x RJ11 serial interface, 1 x RJ12 24V cashbox interface, 1x RJ45 LAN interface, 1 x headset jack, 1x power port, 1x Micro-USB debug interface, 1 x TF card slot
External storage card	MicroSD (TF), 64G maximum
Item dimensions	Single screen: H 34.5cm x W 38.2cm x T 19.0cm Dual screen: H 36.8m x W 38.2cm x T 19.0cm
AC adapter	Input: AC100-240V/1.5A Output: DC24V/1.5A

Specification of 10.1” customer display

Display resolution	10.1’’ resolution HD 1024 x 600
--------------------	---------------------------------

Name and content of toxic and harmful substances contained in this product are shown in the following table

Name of parts	Toxic and harmful substances and elements					
	(Pb)	(Hg)	(Cd)	(Cr(VI))	(PBB)	(PBDE)
Circuit board	×	○	○	○	○	○
Shell	○	○	○	○	○	○

○ :It indicates that the content of toxic and harmful substances in all homogeneous materials of this part is below the limit specified in SJ/T11363–2006.

× :It indicates that the content of toxic and harmful substances is higher than the limit specified in SJ/T11363–2006 in at least one homogeneous material of this part; however, the the reason why the toxic substance of that part exceeds the limit is that there is no applicable material to replace it currently.

For products that have reached or passed the service years for environmental protection, they should be recycled according to Measures for Control and Management of Electronic Information Products and should not be thrown away at will.

For CE

	Operation Frequency	Transmitted
BT	2402MHz~2480MHz	6.5dBm
BLE	2402MHz~2480MHz	5.5dBm
2.4G wifi b	2412MHz~2472MHz	13dBm
2.4G wifi g	2412MHz~2472MHz	9dBm
2.4G wifi n20	2412MHz~2472MHz	8dBm
2.4G wifi n40	2412MHz~2472MHz	8dBm

FCC Regulations:

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.

This device 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 radiated 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.

To comply With RF exposure requirements, a minimum separation distance of 20cm must be maintained between the user's body and the POS machine, including the antenna.

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

EU Regulatory Conformance

Hereby, Shanghai Sunmi Technology Co., Ltd. declares that the radio equipment type is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: www.sunmi.com



Notice: Observe the national local regulations in the location where the device is to be used. This device may be restricted for use in some or all member states of the European Union (EU). Adapter shall be installed near the equipment and shall be easily accessible. The operating temperature of the device between 0°C to 45°C. The device complies with RF specifications when the device is used at 20cm from your body. This product can be used across EU member states.

Precautions

Warning

- Please insert the AC plug into the AC outlet according to the identifying input on the power adapter;
- It is prohibited to use the device in any places with potential explosive gases;
- Nonprofessionals shall not open the power adapter anyhow so as to avoid dangers;
- The device is a Grade A product. In living environment, the product may cause radio interference. Therefore, users may be required to take practical measures against the interference.
- About the battery replacement:
 1. It may cause explosion with wrong type battery!
 2. Old battery which is replaced should be handled by repair man, do not put it in fire!

Recommendation

- Do not use the device near water or in humid environment. Keep liquid from falling onto the terminal;
- Do not use the device in extremely cold and hot environment, e.g. around fire or lighted cigarettes;
- Do not smash, throw or bend the device;
- Use the device in clean and dust-free environment as much as possible and keep small items from falling into the terminal;
- Do not use it near medical devices unless permitted.

Important Safety Instructions

- Avoid installing or using during thunder and lightning, otherwise lightning stroke may occur;
- Cut off the power immediately if there is abnormal smell, overheating or smog!

Statement

The company is not responsible for the following behaviors:

- Damages caused by using and maintaining the device without following the User Guide;
- Damages or problems caused by selection of objects or consumables (products which are not the initial ones provided or recognized by the company);
- No one is entitled to modify or change the product unless permitted by the company;
- The operating system of this product supports the official system update. If the third party's ROM system is swiped by the user or the system file is modified with cracking method, it may lead to the instability of the system and bring about safety risk & security threat.

Disclaimer

Discrepancies between the product and the file concerning details may arise due to product updates. Please be subject to the material object. The company reserves the right to interpret the file and the right to revise this manual without prior notices.

Package content

- ☒ 1x main machine
- ☒ 1x user manual
- ☒ 1x power adapter

FCC ID: 2AH25L3512

Manufacture

Shanghai Sunmi Technology Co., Ltd.
Room 505, KIC Plaza, No.388 Song Hu Road, Yang Pu District, Shanghai, China

D2

POS User Manual Book

Before using this product, please carefully read this manual and keep it properly.

Technical specifications

Item	Technical Specifications
Operating system	SUNMI OS 2.0 (based on Android 7.1)
CPU basic frequency	1.3GHZ four cores
RAM	1GB LPDDR3
FLASH	8GB Nand Flash
Display	5.45 inch IPS, resolution 1440×720
Touch screen	Capacitive two-touch screen
Camera	5M AF / (0.3M FF optional)
Wireless data	2G: 850/1900 3G: B2/B4/B5 4G: B2/B4/B5/B7/B12/B17/B25/B26/B38/B41
Wi-Fi	Build-in Wi-Fi 802.11a/b/g/n(2.4G/5GNODFS)
Bluetooth	Support of bluetooth 4.0
Keys	Power key, volume key
Interfaces	USB Type C, Nano SIM
Printer type	Thermal Printer
Printing paper specifications	Width 58mm, maximum diameter 50mm
Battery	7.6V/2580mAh
Outline dimensions	L 219.1mm ×W 80mm ×H 17.8mm
Adapter	OUTPUT: DC5V/2A INPUT: AC100~240V/0.3A 50/60Hz

RF Exposure Information (SAR) :
This device meets the government's requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.
The exposure standard for wireless devices employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. *Tests for SAR are conducted using standard operating positions accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands.
Although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the poser required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

CE certification information (SAR)

This device was tested for typical body-worn operations with the back of the handset kept 0mm away. To maintain compliance with RF exposure requirements, use accessories that maintain a 0mm separation distance between the user's body and the back of the handset. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with RF exposure requirements, and should be avoided.
If you are using pacemaker, hearing aid, cochlear implant or other device, please use the phone according to the doctor's advice.

PRODUCT SAFETY WARNINGS

Use responsibly. Read all instructions and safety information before use to avoid injury.The limit operating ambient temperature of the equipment declared by the manufacturer is -10~45°C

Battery safety

Charge battery only at ambient temperatures ranging from 40°C.
(1) CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type of battery recommended by the manufacturer. Dispose of used batteries according to battery manufacturer's instructions.
(2) CAUTION: RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.
(3) CAUTION:Battery charging temperature upper limit is 40°C.

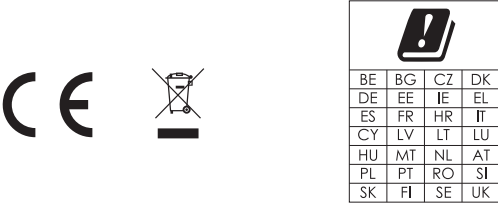
Adapter safety

When charging, please place the device in an environment that has a normal room temperature and good ventilation. It is recommended to charge the device in an environment with a temperature that ranges from 0°C~40°C.
For altitude 2km below use only

Wi-Fi Safety

Turn Wi-Fi off in areas where Wi-Fi use is prohibited or when it may cause interference or danger, such as in airplanes while flying.

Declaration of Conformity



Hereby, Shanghai Sunmi Technology Co., Ltd. declares that the Wireless data POS System(Model No.:T5930) is in compliance with the essential requirements and other relevant provisions of RED 2014/53/EU.

CAUTION: The device is restricted to indoor use when operated in the European Community using frequency in 5150MHz~5250MHz to reduce the potential for interference.

5.8G SRD receiver category: 1

Technical features and characteristic

	Operation Frequency	Transmitted

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

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.

Name and content of toxic and harmful substances contained in this product are shown in the following table

Name of parts	Toxic and harmful substances and elements					
	(Pb)	(Hg)	(Cd)	(Cr(VI))	(PBB)	(PBDE)
Circuit board	×	○	○	○	○	○
Shell	○	○	○	○	○	○

○:It indicates that the content of toxic and harmful substances in all homogeneous materials of this part is below the limit specified in SJ/T11363-2006.
×:It indicates that the content of toxic and harmful substances is higher than the limit specified in SJ/T11363-2006 in at least one homogeneous material of this part; however, the the reason why the toxic substance of that part exceeds the limit is that there is no applicable material to replace it currently.

For products that have reached or passed the service years for environmental protection, they should be recycled according to Measures for Control and Management of Electronic Information Products and should not be thrown away at will.

This product can be used across EU member states. The full text of the EU declaration DOC is available at the following internet address: www.sunmi.com

Manufacture
Shanghai Sunmi Technology Co.,Ltd.
Room 505 No.388 Song Hu Road Shanghai, China

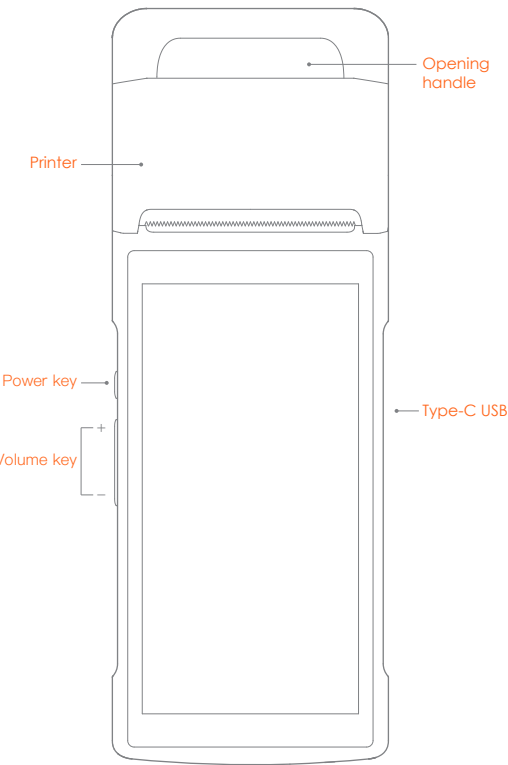
The highest SAR value for the device as reported to worn on the body, as described in this user guide, is 1.2W/kg (Body-worn measurements differ among devices, depending upon available enhancements and FCC requirements.) While there may be differences between the SAR levels of various devices and at various positions, they all meet the government requirement. The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this device is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on FCC ID: 2AH25T6920. For body worn operation, this device has been tested and meets the FCC RF exposure .

List of packaged items

- ☒ Terminal device × 1
- ☒ User's Guide × 1
- ☒ Charger & Adapter × 1
- ☒ USB Cable × 1
- ☐ _____

Smart POS system
T6920

Product Description

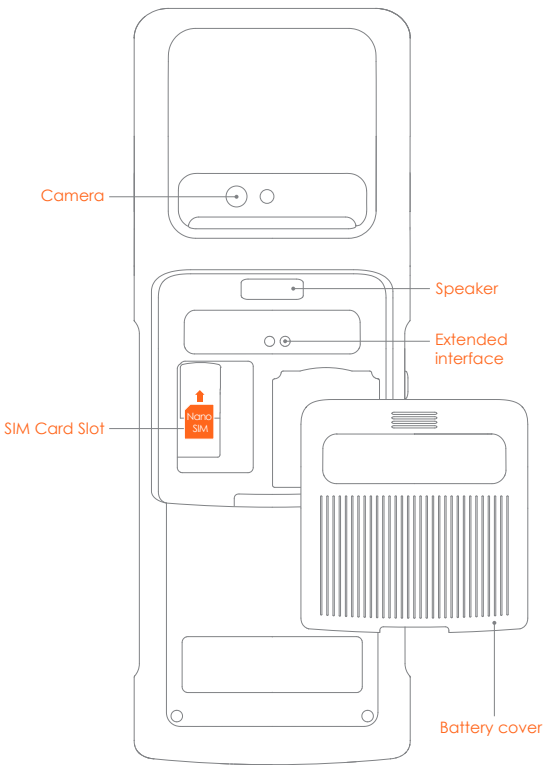


Power key
Short press: wake up the screen, lock the screen.
Long press: long press for 2-3 seconds in power off mode to switch on the device.
Long press for 2-3 seconds in normal operation mode to select power off or reboot.
Long press for 11 seconds when system is frozen for automatic reboot.

Volume key
Volume adjustment.

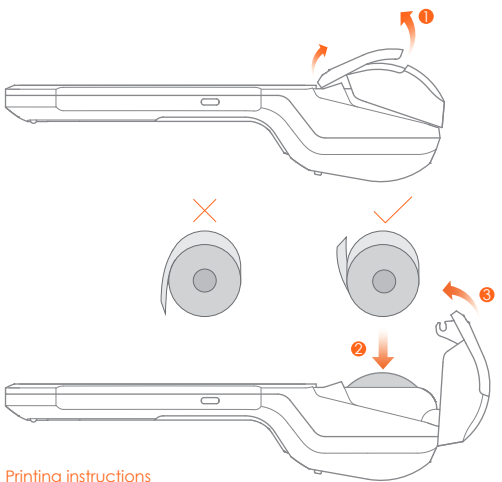
Printer
For printing sales slips in power on mode.

Type-C USB
For device recharging and developer debugging.



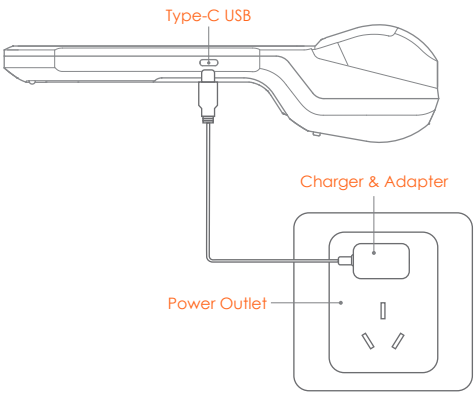
Camera
For payment scanning and 1D/2D code quick scanning.

SIM Card Slot
Note: To prevent system errors, please make sure the device is turned off when you insert or remove the SIM card.



Printing instructions
This device supports 58mm thermal paper with the specifications of 57±0.5mm*Ø50mm
· Please open the paper container with the uncovering handle (as shown in Fig.1). Please do not force open the paper container to avoid print head gear wear;
· Feed the paper correctly into the paper container in the direction as shown, and pull some paper outside the cutter (as shown in Fig.2);
· Close the cover of the paper container to finish printing paper feeding(as shown in Fig.3).

Note: If the printed paper is blank, please check whether the paper roll has been installed in the correct direction.



Instructions for recharging and battery
This device supports charging only by USB cable
· Connect the 5V adapter to the power supply socket;
· Connect the USB cable to the USB interface of the device for recharging; · The screen will display the recharging icon during the recharging process;
· If the recharging icon does not appear, please check whether the USB interface is well connected.

Instructions/Notes for battery
· This device adopts 7.6V/2580mAh lithium battery; please do not disassemble the battery.
· In order to protect the battery life, we recommend that you recharge the device whenever possible, and please do not allow the battery to fully drain before recharging.

Extremely easy settings

Only a few steps to activate an intelligent business device
①Set 2G/3G/4G: when power off, insert the 2G/3G/4G card and then power on.
(Refer to the Technical Specifications for the support of cards)
② Long press the Power Key for 2~3s to activate the backlight of screen,and then operate following the prompts after entering the startup/booting screen for the first time. 2 modes for accessing the Internet are available.
③ Set WiFi
· Click "Set" button, activate "WLAN" to enter the WLAN searching screen, and wait it to list all useable WLAN
· Click the WLAN to be connected, and enter the access password in case of an encrypted network.

Download/use Apps
After connected to the Internet, open the App Market, find, download and install the Apps.

FAQ
Booting failure (e.g. low battery)
· Plug the USB cable and charge for 3min;
· Check if the screen displays the normal charging status.

System crash
· Long press the Power Key for 11s to reboot.

Read the installed Help App for more information

Precautions

Safety Warning
· Connect the AC plug to the AC socket corresponding to the marked input of the power adapter;
· Do not use in the presence of any potentially explosive gas;
· To avoid injury, unauthorized persons shall not open the power adapter; · This is a Class A product. This product may cause radio interference in living environments. In that case, the user may be required to take adequate measures against interference.
· Battery replacement:
1. Explosion danger may arise if replacing with the wrong battery!
2. The replaced battery shall be disposed of by maintenance personnel,and please do not throw it into fire!

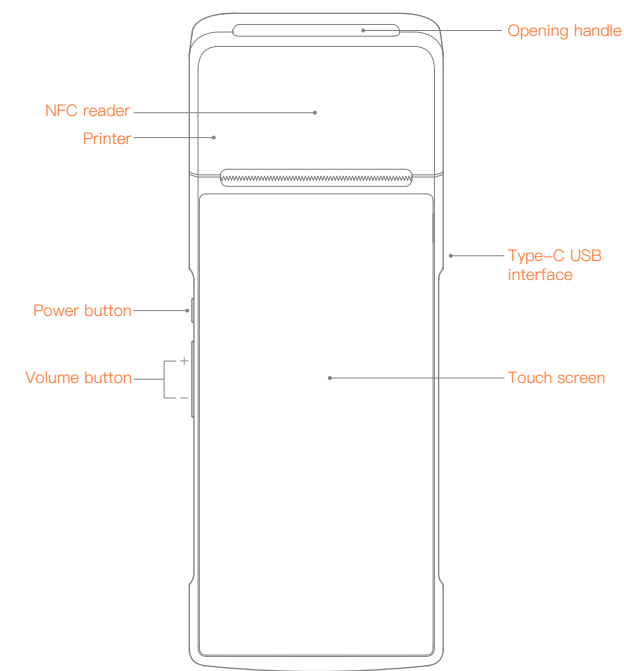
Significant Safety Instructions
· This terminal is a handheld device, and the user shall protect the password from being peered at by others while entering the password;
· Do not install or use the device during lightning storms to avoid the potential risks of lightning shock;
· Please turn off the power immediately if you notice abnormal odor, heat or smoke;
· The paper cutter is sharp, please do not touch!

Suggestions
· Do not use the terminal near water or moisture to prevent liquid from falling into the terminal;
· Do not use the terminal in extremely cold or hot environments, such as near flames or lit cigarettes;
· Do not drop, throw or bend the device;
· Use the terminal in a clean and dust-free environment if possible to prevent small items from falling into the terminal;
· Please do not use the terminal near medical equipment without permission.

Statements
The Company does not assume responsibilities for the following actions:
· Damages caused by use and maintenance without complying with the conditions specified in this guide;
· The Company will not assume any responsibilities for the damages or problemscaused by optional items or consumables (rather than the initial products or approvedproducts of the Company). The customer is not entitled to change or modify the product without our consent.
· The product's operating system supports official systemupdates, but if you change the operating system into a third party ROM system or alter the system files by system cracking, it may cause system instability and security risks and threats.

Disclaimer
As a result of product upgrading, some details in this document may not match the product, and the actual product shall govern. The Company reserves the right of interpretation of this document. The Company also reserves the right toalter this specification without prior notice.

Product Description



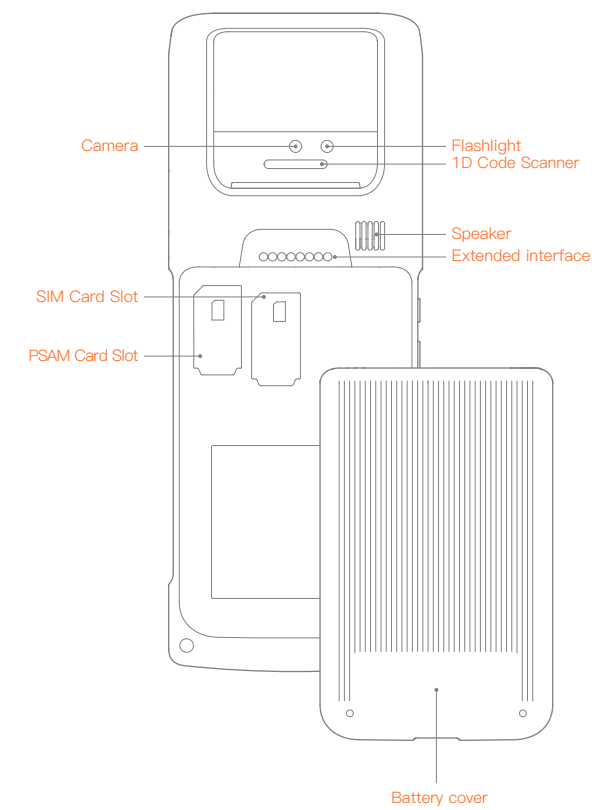
Power button
Short press: wake up the screen, lock the screen.
Long press: long press for 2–3 seconds in power off mode to switch on the device.
Long press for 2–3 seconds in normal operation mode to select power off or reboot.
Long press for 11 seconds when system is frozen for automatic reboot.

Volume button
Volume adjustment (with app support, the button can be set as quick code scan button).

Printer
For printing sales slips in power on mode.

NFC reader
Be used for NFC cards like loyalty card.

Type–C interface
For device recharging and developer debugging.

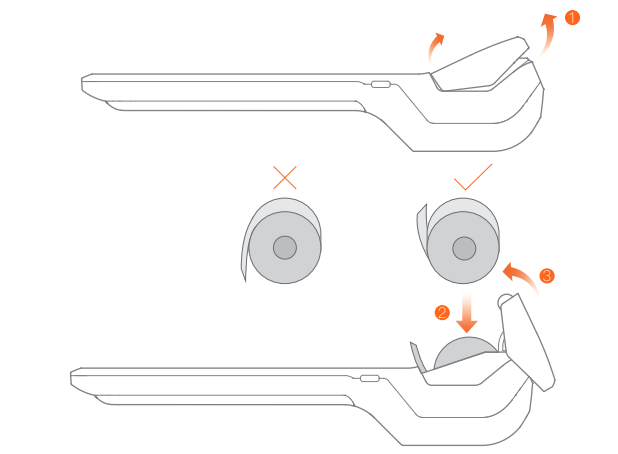


Camera
Supports photographing and 1D/2D code quick scanning.

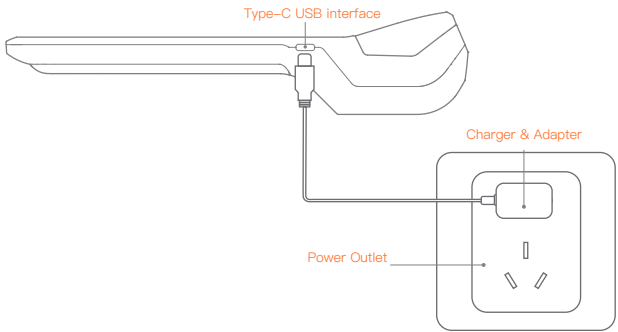
PSAM Card Slot
Used for inserting the PSAM Card.

SIM Card Slot
Note: To prevent system errors, please make sure the device is turned off when you insert or remove the SIM card.

1D Code Scanner
The 1D Code Scanner is used for reading product bar codes and mobile payment code.
(This Scanner only supports 1D bar codes)
Note: don't look straight at the Infrared scanning head to avoid eye injuries.



Printing instructions
This device supports 58mm thermal paper with the specifications of 57±0.5mm*Ø40mm
· Please open the paper container with the uncovering handle (as shown in Fig.1). Please do not force open the paper container to avoid print head gear wear;
· Feed the paper correctly into the paper container in the direction as shown, and pull some paper outside the cutter (as shown in Fig.2);
· Close the cover of the paper container to finish printing paper feeding (as shown in Fig.3).
Note: If the printed paper is blank, please check whether the paper roll has been installed in the correct direction.



Instructions for recharging and battery
This device supports charging only by USB cable
· Connect the 5V adapter to the power supply socket;
· Connect the USB cable to the USB interface of the device for recharging;
· The screen will display the recharging icon during the recharging process;
· If the recharging icon does not appear, please check whether the USB interface is well connected.

Instructions/Notes for battery
· This device adopts 7.6V/2580mAh lithium battery; please do not disassemble the battery.
· In order to protect the battery life, we recommend that you recharge the device whenever possible, and please do not allow the battery to fully drain before recharging.

Extremely easy settings

- Only a few steps to activate an intelligent business device
- ① Set 2G/3G/4G: when power off, insert the 2G/3G/4Gcard and then power on. (Refer to the Technical Specifications for the support of cards)
 - ② Long press the Power Key for 2~3s to activate the backlight of screen, and then operate following the prompts after entering the startup/booting screen for the first time. 2 modes for accessing the Internet are available.
 - ③ Set WiFi
 - Click "Set" button, activate "WLAN" to enter the WLAN searching screen, and wait it to list all useable WLAN hot spots;
 - Click the WLAN to be connected, and enter the access password in case of an encrypted network.

Download/use Apps
After connected to the Internet, open the App Market, find, download and install the Apps.

FAQ
Booting failure (e.g. low battery)

- Plug the USB cable and charge for 3min;
- Check if the screen displays the normal charging status.

System crash

- Long press the Power Key for 11s to reboot.

Read the installed Help App for more information

Precautions

- Safety Warning**
- Connect the AC plug to the AC socket corresponding to the marked input of the power adapter;
 - Do not use in the presence of any potentially explosive gas;
 - To avoid injury, unauthorized persons shall not open the power adapter;
 - This is a Class A product. This product may cause radio interference in living environments. In that case, the user may be required to take adequate measures against interference.
 - Battery replacement:
 - 1.Exlosion danger may arise if replacing with the wrong battery!
 - 2.The replaced battery shall be disposed of by maintenance personnel, and please do not throw it into fire!

- Significant Safety Instructions**
- This terminal is a handheld device, and the user shall protect the password from being peered at by others while entering the password;
 - Do not install or use the device during lightning storms to avoid the potential risks of lightning shock;
 - Please turn off the power immediately if you notice abnormal odor, heat or smoke;
 - The paper cutter is sharp, please do not touch!

- Suggestions**
- Do not use the terminal near water or moisture to prevent liquid from falling into the terminal;
 - Do not use the terminal in extremely cold or hot environments, such as near flames or lit cigarettes;
 - Do not drop, throw or bend the device;
 - Use the terminal in a clean and dust-free environment if possible to prevent small items from falling into the terminal;
 - Please do not use the terminal near medical equipment without permission.

- Statements**
The Company does not assume responsibilities for the following actions:
- Damages caused by use and maintenance without complying with the conditions specified in this guide;
 - The Company will not assume any responsibilities for the damages or problems caused by optional items or consumables (rather than the initial products or approved products of the Company). The customer is not entitled to change or modify the product without our consent.
 - The product's operating system supports official system updates, but if you change the operating system into a third party ROM system or alter the system files by system cracking, it may cause system instability and security risks and threats.

Disclaimer
As a result of product upgrading, some details in this document may not match the product, and the actual product shall govern. The Company reserves the right of interpretation of this document. The Company also reserves the right to alter this specification without prior notice.

Technical specifications

Item	Technical Specifications
Operating system	Android 7.1
CPU basic frequency	1.4GHZ four cores
RAM	1GB LPDDR3
FLASH	8GB Nand Flash
Display	5.99 inch IPS, resolution 1440×720
Touch screen	Capacitive two-touch screen
Camera	500W AF
Wireless data	2G: B2/B3/B5/B8 3G: WCDMA(B1/B2/B4/B5);EVDO(BC0/BC1) 4G: B2/B4/B7/B17/B28
Wi-Fi	Build-in Wi-Fi 802.11a/b/g/n(2.4G/5G)
Bluetooth	Support of bluetooth 3.0/4.2BLE and iBeacon
Keys	Power key, volume key
Interfaces	Configuration interfaces Type-c, SIM, PSAM, support of OTG
Printer type	Thermal Printer
Printing paper specifications	Width 58mm, maximum diameter 40mm
NFC	mifare/ISO 14443 Type A/B/ISO15693
Battery	7.6V/2580mAh
Outline dimensions	L 214mm × W 83mm × H 49mm
Adapter	OUTPUT: DC5V/2A INPUT: AC100~240V/0.3A 50/60Hz
Adapter Model	TPA-23A050200UU01

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.
(2) This device must accept any interference received, including interference that may cause undesired operation.

FCC ID:2AH25T5921

NOTE: 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.

Body-worn Operation

This device was tested for typical body-worn operations. To comply With RF exposure requirements, a minimum separation distance of 1.0cm must be maintained between the user's body and the handset, including the antenna.

Third-party belt-clips, holsters, and similar including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided.

Specific Absorption Rate (SAR) information:

This wireless phone meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health. FCC RF Exposure Information and Statement. The SAR limit of USA (FCC) is 1.6W/kg averaged over one gram of tissue.

Device types: T5921 has also been tested against this SAR limit. The highest SAR value reported under this standard during product certification when properly worn on the body is 1.218W/kg (1gSAR, test distance:5mm, limit 1.6W/kg), 1.529W/kg(10gSAR, test distance:0mm, limit 4W/kg) and 1.359W/kg(1gSAR, test distance:19mm(power sensor), limit 1.6W/kg). This device was tested for body-worn operations with the back of the handset kept 10mm and 5mm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 10mm and 5mm separation distance between the user's body and the back of the handset. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

Name and content of toxic and harmful substances contained in this product are shown in the following table

Name of parts	Toxic and harmful substances and elements					
	(Pb)	(Hg)	(Cd)	(Cr(VI))	(PBB)	(PBDE)
Circuit board	×	○	○	○	○	○
Shell	○	○	○	○	○	○

○:It indicates that the content of toxic and harmful substances in all homogeneous materials of this part is below the limit specified in SJ/T11363-2006.

×:It indicates that the content of toxic and harmful substances is higher than the limit specified in SJ/T11363-2006 in at least one homogeneous material of this part; however, the the reason why the toxic substance of that part exceeds the limit is that there is no applicable material to replace it currently.

For products that have reached or passed the service years for environmental protection, they should be recycled according to Measures for Control and Management of Electronic Information Products and should not be thrown away at will.

This product can be used across EU member states. The full text of the EU declaration DOC is available at the following internet address: www.sunmi.com

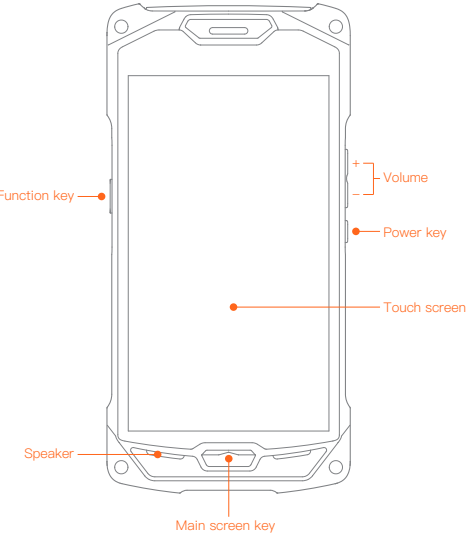
Manufacture
Shanghai Sunmi Technology Co., Ltd.
Room 505 No.388 Song Hu Road Shanghai, China



List of packaged items

- ☒ Terminal device × 1
- ☒ User's Guide × 1
- ☒ Charger & Adapter × 1
- ☒ USB Cable × 1
- ☐ _____

Product Description

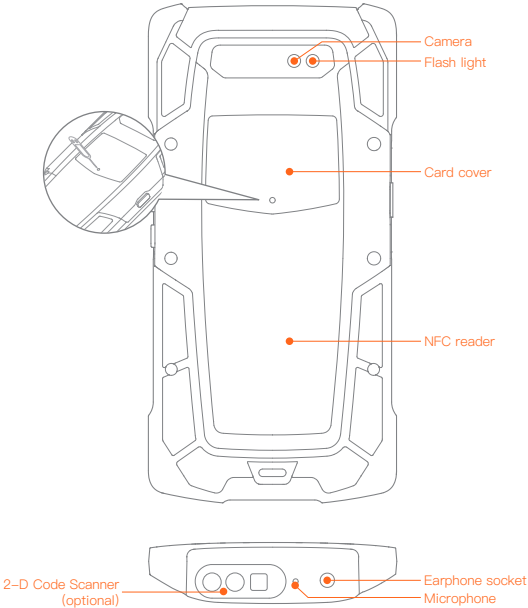


Function key
Capable of being configured as a code scanning key or other functions by software.

Volume up/down button
Volume adjustment.

Power key
Short press: light the screen and lock the screen.
Long press: under the power-off status, long press 2 to 3 seconds to power on;
Under the operating status, long press 2 to 3seconds to choose power-off or restart.
Under the crashed status, long press 11 seconds to automatically restart.

Main screen key
When the screen is locked, short press to lighten the screen;
After unlocked, click at any interface to return to the main screen.



Camera
Supportive of photographing and 1D/2D fast scanning.

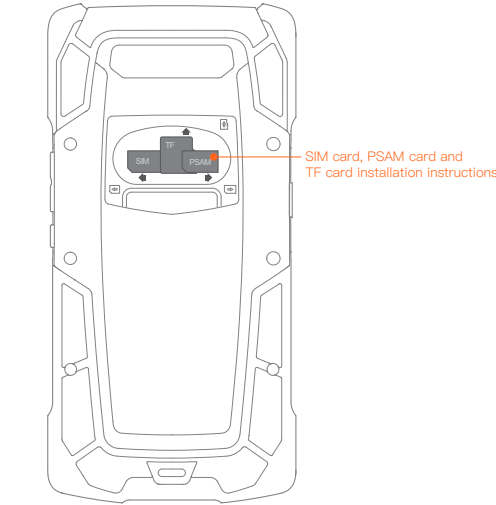
Flash light
Facilitating Illumination of the surrounding environment when taking photos.

Card cover
SIM card, PSAM card and TF card installation place.

NFC reader
For reading Quick Pass bank cards

Earphone socket
Capable of external access to a sound box, and access to a personal credit card POS (application program support is required)

Two dimensional code scanner (optional)
One dimensional bar code Infrared scanner, used for reading.
Note: don't look straight at the Infrared scanning head to avoid eye injuries.



SIM card slot
Note: The machine must be in the power-off status during inserting or removing the SIM card. If plugging or removing is done in the power-on status, it may cause a machine stoppage.
·Use a card pin to open the card cover;
·Insert/remove the SIM card according to the illustrated directions;

PSAM card slot
Used for inserting an encrypted PSAM CPU card.

TF card slot
Used for inserting TF card.

Extremely easy settings

Only a few steps to activate an intelligent business device

- ① Set 2G/3G/4G: when power off, insert the 2G(GSM)/3G(WCDMA)/4G(TD-LTE) card and then power on. (Refer to the Technical Specifications for the support of cards)
- ② Long press the Power Key for 2~3s to activate the backlight of screen, and then operate following the prompts after entering the startup/booting screen for the first time. 2 modes for accessing the Internet are available.
- ③ Set WiFi
·Click "Set" button, activate "WLAN" to enter the WLAN searching screen, and wait it to list all useable WLAN hot spots;
·Click the WLAN to be connected, and enter the access password in case of an encrypted network.

Download/use Apps
After connected to the Internet, open the App Market, find, download and install the Apps.

FAQ
Booting failure (e.g. low battery)
· Plug the USB cable and charge for 3min;
· Check if the screen displays the normal charging status.

System crash
· Long press the Power Key for 11s to reboot.

Read the installed Help App for more information

Precautions

Warnings
· Plug the AC plug into an AC power outlet as specified on the Adapter;
· Don't use in any space with explosive gas;
· This product is verified as Level A, and may cause radio interference during normal use.
· For avoiding unwanted radio interference, practical actions may be required.
· Replace the battery:
① Replacing with an unmatched battery may result in dangerous explosion!
② Return the battery replaced to the serviceman. Don't dispose it in fire!

Important Safety Instructions
· Try not to install or use the device during lightning, or else there would be lightning stroke danger;
· When you find unusual smell, overheat or smoke, please cut off the power immediately;

Suggestions
· Do not use it in extremely cold or hot conditions (e.g., near fire or a lighted cigarette);
· Do not drop, throw or bend it;
· Try to use it in a clean and dustless environment and avoid tiny articles falling into the terminal;
· Do not use it near medical equipment without permission.

Declaration
The company shall not be responsible for the following actions
· Any damage caused by not using and maintaining it under the conditions described in the guide;
· Any damage or problem caused by optional parts or consumptive materials (not the original products provided by the company or approved products), the company will assume no responsibility for this. It is not allowed to modify or change the product without the consent of the company.
· The operating system of this product supports official system update. If users install ROM system from the third party or modify the system files by means of cracking, it may lead to system instability, as well as security risk and security threat.

Disclaimer
Owing to the update of the product, some details of this document may not be in conformity with those of the product. Please refer to the material object. The company reserves the right to interpret this document. The company reserves the right to modify this instruction book without prior notice.

Product technical specifications

Item	Technical Specifications
Operating system	Android 7.1
CPU	Quad-core MSM8917
CPU basic frequency	1.4GHZ four cores
RAM	2GB LPDDR3
FLASH	16GB Nand Flash
Display	5 inch IPS, resolution 1280*720
Touch screen	Capacitive multi-touch screen, supportive of the glove mode
Camera	500W AF
NFC	mifare/Felica/ISO 14443/ Type A/B/ISO15693; P2P mode and simulation through UICC and the host card
Wireless data	2G: B2/B3/B5/B8 3G: (B1/B2/B4/B5)EVDO(BC0/BC1) 4G: B2/B4/B7/B17/B28
WIFI	Build-in WIFI 802.11 a/b/g/n/ac (2.4G/5G)
Bluetooth	Support of bluetooth 3.0/4.0BLE and iBeacon
Keys	Power key, function key, volume key, main screen key
Interfaces	Configuration interfaces Type-c, SIM, PSAM, TF card slot, support of OTG
SAM card deck	Support SAM card, meet ISO7816 standards
Outline dimensions	L152.8 mm * W76 mm * H18.9 mm
Battery	3.8V/5000mAh
Adapter	OUTPUT: DC5V/2A INPUT: AC100-240V/0.3A 50/60Hz
Scanner (optional)	Code 128,EAN-13,EAN-8,Code 39,UPC-A, UPC-E,JSSN,ISBN,Codabar,Code 93,F-6, ITF-14, Interleaved,Industrial,Standard 2 of 5,Matrix 2
Three-prevention function	IP67 dust proof and waterproof functions

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.

(2) This device must accept any interference received, including interference that may cause undesired operation.

FCC ID: 2AH25L2

NOTE: 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.

Body-worn Operation

This device was tested for typical body-worn operations. To comply With RF exposure requirements, a minimum separation distance of 1.0cm must be maintained between the user's body and the handset, including the antenna.

Third-party belt-clips, holsters, and similar including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided.

Specific Absorption Rate (SAR) information:

This wireless phone meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health.

FCC RF Exposure Information and Statement. The SAR limit of USA (FCC) is 1.6W/kg averaged over one gram of tissue.

Device types: T8900&T8901 has also been tested against this SAR limit. The highest SAR value reported under this standard

during product certification when properly worn on the body is 1.856W/kg (10gSAR, test distance: 10mm, limit 4W/kg) and 1.276W/kg (1gSAR, test distance: 10mm, limit 1.6W/kg). This device was tested for body-worn operations with the back of the handset kept 10mm and 5mm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 10mm and 5mm separation distance between the user's body and the back of the handset. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

Technical features and characteristic

the product includes the following features and characteristics:

	Operation Frequency	Transmitted
GSM850	824MHz-849MHz	33dBm
GSM1900	1850MHz-1910MHz	31dBm
WCDMA bandII	1850MHz-1910MHz	24dBm
WCDMA bandIV	1710MHz-1755MHz	24dBm
WCDMA bandV	824MHz-849MHz	24dBm
LTE band2	1850MHz-1910MHz	24dBm
LTE band4	1710MHz-1755MHz	24.5dBm
LTE band7	2500MHz-2570MHz	24.5dBm
LTE band17	704MHz-716MHz	24dBm
CDMA BC0	824MHz-849MHz	25dBm
CDMA BC1	1850MHz-1910MHz	24.5dBm
BT	2402MHz-2480MHz	6dBm
BLE	2402MHz-2480MHz	-1dBm
wif	2412MHz-2462MHz	17dBm
	5150MHz-5250MHz	12dBm
	5250MHz-5350MHz	
	5725MHz-5850MHz	

Name and content of toxic and harmful substances contained in this product are shown in the following table

Name of parts	Toxic and harmful substances and elements					
	(Pb)	(Hg)	(Cd)	(Cr(VI))	(PBB)	(PBDE)
Circuit board	×	○	○	○	○	○
Shell	○	○	○	○	○	○

- :It indicates that the content of toxic and harmful substances in all homogeneous materials of this part is below the limit specified in SJ/T11363-2006.
- ×

:It indicates that the content of toxic and harmful substances is higher than the limit specified in SJ/T11363-2006 in at least one homogeneous material of this part; however, the reason why the toxic substance of that part exceeds the limit is that there is no applicable material to replace it currently.

For products that have reached or passed the service years for environmental protection, they should be recycled according to Measures for Control and Management of Electronic Information Products and should not be thrown away at will.

This product can be used across EU member states. The full text of the EU declaration DOC is available at the following internet address: www.sunmi.com

Manufacture
Room 505, KIC Plaza, No.388 Song Hu Road, Yang Pu District, Shanghai, China

List of packaged items

- ☒

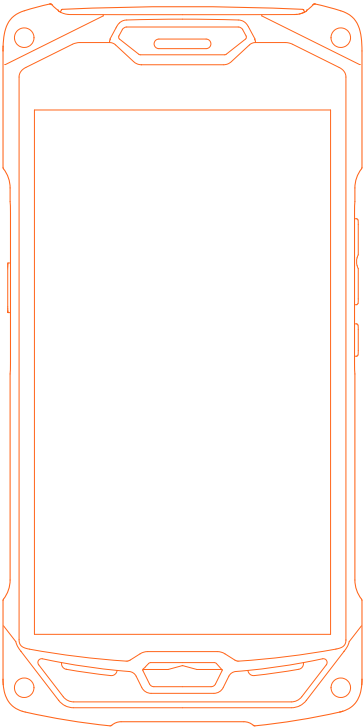
Terminal device × 1
- ☒

User's Guide × 1
- ☒

Charger & Adapter × 1
- ☒

USB Cable × 1
- ☒

Sim Card Removal Pin × 1
- ☐



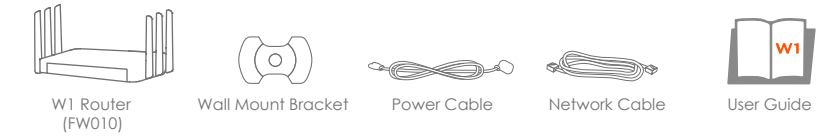
T8900、T8901
User Guide



Manufacture
Shanghai Sunmi Technology Co.,Ltd.
Room 605, Block 7, KIC Plaza, No.388 Song Hu
Road, Yang Pu District, Shanghai 200433 China

Please read this User Guide carefully before using, and keep it properly.

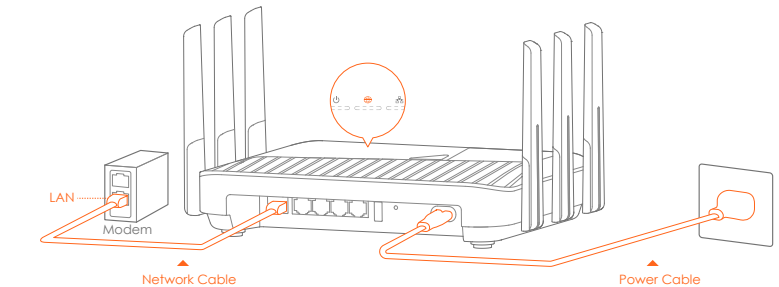
Package Contents



Quick Setup

Step 1: Connect Your Router

Connect the power cable to the router, then connect the network cable to the LAN port of modem and the router's internet port as the picture shows. When the indicator is on, move to the Step 2.



Step 2: Setup Internet Connection

Method One: Configure by Sunmi APP (Recommended)

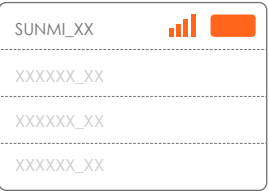
You may experience more functions from the Sunmi APP, helps you to control the router anywhere & anytime.

1. Scan the QR code to download the Sunmi Assistant APP.
2. Check the label in the bottom of router with default Wi-Fi : SUNMI_XX, search and connect to this default Wi-Fi by your mobile phone, then this APP will guide you to set up your router.



Method Two: Configure through the Browser

1. Check the label in the bottom of router with default Wi-Fi: SUNMI_XX, search and connect to this default Wi-Fi by computer or mobile phone.



2. Open the browser, visit sunmi.link (or 192.168.100.1), enter the quick setup page, then follow the instructions to finish the setup.



Indication



Power

On: Power is on and the system has started up successfully.
Flashing: Power is on and the router is starting up or being upgraded.
Off: Power is off.



LAN

On: At least a powered-on device is connected to the router's LAN port.
Off: No powered-on device is connected to the router's LAN port, or the router's LAN port is unplugged.



SUNMI Link

On: The function of SUNMI Link is enabled.
Off: The function of SUNMI Link is disabled.

Unique Features



Intelligent Bandwidth Allocation

Ensure the important business devices with the guaranteed network speed when network congestion happened.



Sunmi Assistant APP

Support the local and remote management, keep an eye on the status of your router anywhere & anytime.



SUNMI Link

The function of SUNMI Link could manage the nearby Sunmi devices to access Internet through this router without configuration.
* Only works on the Sunmi devices which support the function of SUNMI Link.

Table: Toxic or Harmful Substances and Elements Contained in Product

Part Name	Toxic or Harmful Substances and Elements					
	Pb	Hg	Cd	Cr(VI)	PBB	PBDE
PCB	x	x	○	○	○	○
Components (Module)	x	○	○	○	○	○
Metal Parts	○	○	○	○	○	○
Plastic Parts	○	○	○	○	○	○
Paper Accessories	○	○	○	○	○	○
Power Adaptor	x	○	○	○	○	○
Plastic Packing Material	○	○	○	○	○	○

Standard Number SJ/T 11364

- : It indicates that the content of toxic and harmful substances in all homogeneous materials of this part is below the limit specified in SJ/T11363-2006.
- x: It indicates that the content of toxic and harmful substances is higher than the limit specified in SJ/T11363-2006 in at least one homogeneous material of this part; however, the the reason why the toxic substance of that part exceeds the limit is that there is no applicable material to replace it currently.

For products that have reached or passed the service years for environmental protection, they should be recycled according to Measures for Control and Management of Electronic Information Products and should not be thrown away at will.

FAQ

- 1 What should I do if I can't access the Internet though the configuration is finished?
 - Please check the indicator on top is on or off, and the network cable is well connected.
 - Make sure the account name and password from your ISP is correct.
- 2 What should I do if I can't connect to the detected Wi-Fi network?
 - Please delete all the detected Wi-Fi network first from your wireless device, and then re- search and connect.
 - The wireless device is too far from your router or there are obstacles in between, please try to move close to your router or change the position of your router.
- 3 Why can't I find the 5G network?
 - Please make sure that your wireless device support the dual band 2.4GHz and 5GHz.
 - Please make sure the function of 5GHz is enabled in this router.
 - The wireless device is too far from your router or there are obstacles in between, please try to move close to your router or change the position of your router.
 - Please modify the router's Wi-Fi name if there was any the Chinese character or special characters in your router's Wi-Fi name.
- 4 What should I do if I forget the Admin Password?
 - Power the router on, press and hold the Reset hole for at least 5 seconds, release till all the indicators on top are off. The router is now in its factory defaults, then re-configure the Admin Password.
- 5 How to restore to factory default?
 - Power the router on, press and hold the Reset hole for at least 5 seconds, release till all the indicators on top are off. The router is now in its factory defaults.
 - Please noted: Restore factory defaults require you to go through the setup process again. All settings you have customized in setup will be erased. Please be very careful to choose this operation.

For more information, please visit our website: www.sunmi.com

Notification of Compliance



FCC User Information

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

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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 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.

FCC 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 & your body.

CE Mark Warning



This is a class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

This device may be operated in all EU countries (and other countries following the EU directive RED 2014/53/EU) for home and office use. The band 5180 - 5240 MHz is restricted to indoor-only operation.

RF Exposure Information

This device meets the EU requirements (RED 2014/53/EU) on the limitation of exposure of the general electromagnetic fields by way of health protection.

The device complies with RF specifications when it is used at a distance of 20 cm from your body.

LEGAL INFORMATION ABOUT INTELLECTUAL PROPERTY

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Hereby, Shanghai Sunmi Technology Co., Ltd. declares that the radio equipment type W1 is in compliance with the RED Directive 2014/53/ EU. The full text of the EU declaration of conformity is available at the following internet address: www.sunmi.com

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