Product introduction

Opening handle
NFC reader
Printer
Magnetic card reader
MICRO USB interface
Indicator light
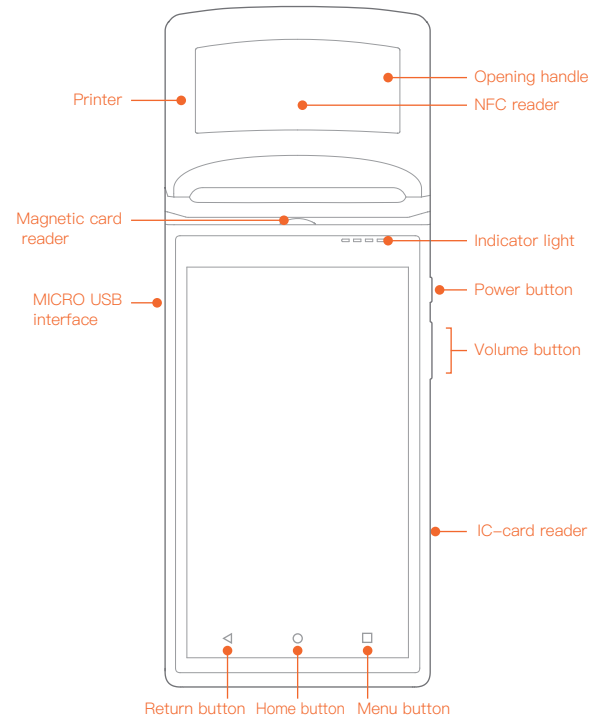Power button
Volume button
IC-card reader

Return button Home button Menu button

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 frozenfor 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.
Return button
Tap to return to the previous screen.
Home button
Tap to quickly view the background programs;
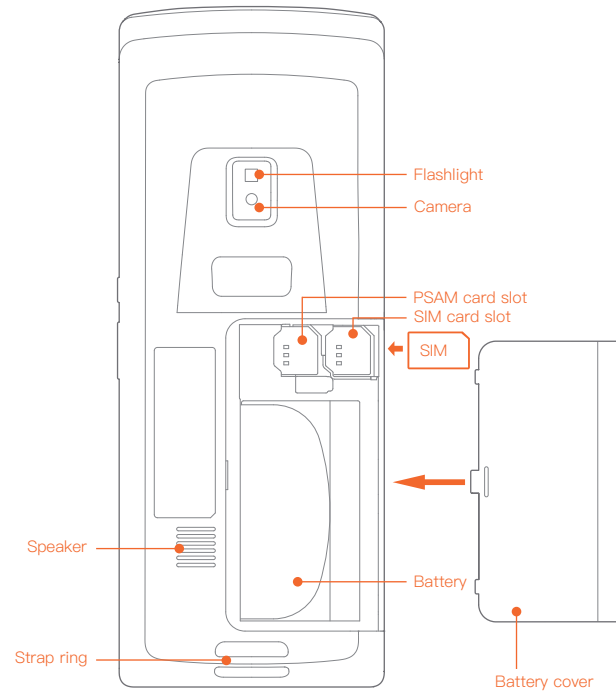Select the app and slide laterally to close.
Magnetic card reader
For reading the magnetic stripe information of bank cards.
IC-card reader
For inserting chip-based bank cards
NFC reader
For reading Quick Pass bank cards

Flashlight
Camera
PSAM card slot
SIM card slot
SIM
Speaker
Battery
Strap ring
Battery cover

Indicator light
For bank card payment steps reminder.
MICRO USB interface
For device recharging and developer debugging.
Camera
Only for QR code scanning.
Flashlight
For lighting in camera mode.
PSAM card slot
For inserting encrypted PSAM CPU cards.
SIM card slot
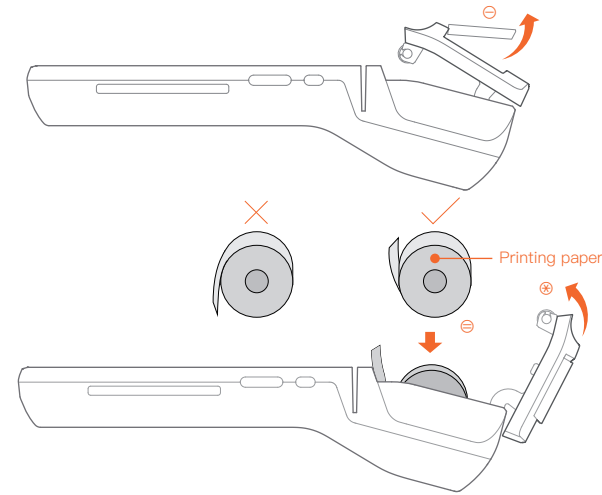Note: To prevent system errors, please make sure the device is turned off when you insert or remove the SIM card.
・Move SIM card cover horizontally to open;
・Insert/remove SIM card in the direction as shown;
・Fasten the battery cover horizontally.
Battery
Avoid contact with water, metal objects and other electrically charged equipment while in use.
Strap ring
For fixing handheld strap to prevent slippage.
(This accessory shall be purchased separately)

Printing paper

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.

Simplified settings
A few steps for starting the smart business device
①2G/3G settings: insert the corresponding 2G (GSM)/3G (GSM) card in power off mode and reboot your device. (For more details about supported cards, please read the technical specifications)
②Press the power button for 2-3 seconds to wake up the screen,enter the initial boot interface, and follow the prompts. This device offers two network patterns.
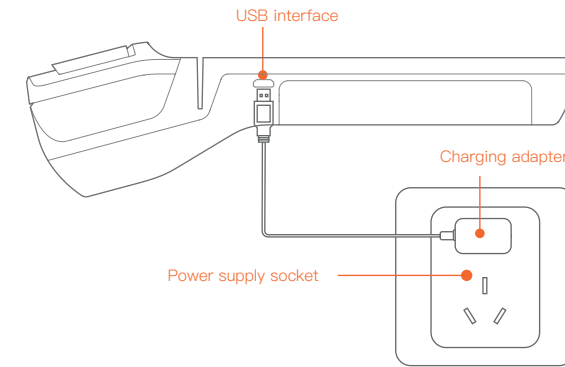③WIFI settings
・Tap [Settings] button and turn on WLAN to enter WLAN search interface,and wait until it finds and lists the availableWLAN hotspots;
·Tap the WLAN that you want to connect — you need to enterthe access code if you choose an encrypted network.

How to download/use apps
Open App Market to browse, download and install the apps in online mode.

USB interface
Charging adapter
Power supply socket

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 3.7V/5200mAh 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.

Trouble shooting
Printer not working
・Make sure the cover of the paper container is properly closed;
・Make sure the right printing paper is used and properly fed;
・Check whether 58mm*40mm thermal paper roll is fed into the paper container;
・Note: If the printed paper is blank, please check whether the paper roll has been installed in the correct direction.
The device cannot be switched on (e.g. exhausted battery)
・Connect the device properly with a USB cable to recharge for three minutes;
・Check whether the screen is displaying recharging status.
What to do if the system freezes
Press the power button for 11 seconds to reboot.

Please read "Help App" in the device for more information on user's guidance

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Name and Content of Toxic or Harmful Substances in this Product

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

○: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 "×" on the table, the content is beyond the l imit 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.

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 Technical Data

Item	Technical Specifications
Operating System	Android 6.0
CPU	MTK MT6580
CPU basic frequency	1.3GHZ quad-core
RAM	1GB LPDDR3
FLASH	8GB Nand Flash
Display	5.5-in IPS, 1280*720 resolution
Touch screen	Capacitive multi-touch screen
Camera	500W AF
Speaker	90dB
Microphone	MIC
Wireless Data	Supports GSM 850/900/1800/1900, WCDMA 850/1900
WIFI	Built-in WIFI 802.11b/g/n (2.4G)
Bluetooth	Supports Bluetooth 3.0/4.0, supports iBeacon
Buttons	Power button, scan button
Interfaces	Micro USB interface, SIM and PSAM card interfaces
Printing method	Line thermal printing
Printing paper specifications	Width 58mm, maximum diameter 40mm
IC-card reader	Supports smart IC card, complies with ISO7816\EMV2000\PBOC3.0 standards
Magnetic card reader	Track 1/2/3, bi-directional, conforming to ISO7811 standard
SAM card holder	Supports SAM card, complies with ISO7816 standard
RF card reader	Supports ISO/IEC14443, TypeA/B, Mifare card,NFC standard
Battery	3.7V/5200mAh
Dimensions	211mm(L)*83mm(W)*54mm(H)
Adapter	OUTPUT：DC 5V/2A INPUT：AC 100~240V/0.3A 50/60Hz

FCC Statement

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: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications 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.

FCC Caution:

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

The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The country code selection is for non-US model only and is not available to all US model. Per FCC regulation, all WiFi product marketed in US must fixed to US operation channels only.

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 device employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/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.

While there may be differences between the SAR levels of various devices and at various positions, they all meet the government requirement.

For body worn operation, this device has been tested and meets the FCC RF exposure guidelines for use with an accessory that contains no metal and be positioned a minimum of 1.0cm from the body. Use of other accessories may not ensure compliance with FCC RF exposure guidelines. If you do not use a body-worn accessory and are not holding the device at the ear, position the handset a minimum of 1.0cm from your body when the device is switched on.

PRODUCT SAFETY WARNINGS

Use responsibly. Read all instructions and safety information before use to avoid injury.The maximum operating ambient temperature of the equipment declared by the manufacturer is 50°C.

Battery safety

Charge battery only at ambient temperatures ranging from 0°C to 60°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:Charging temperature upper limit is 45°C.

Charger 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.
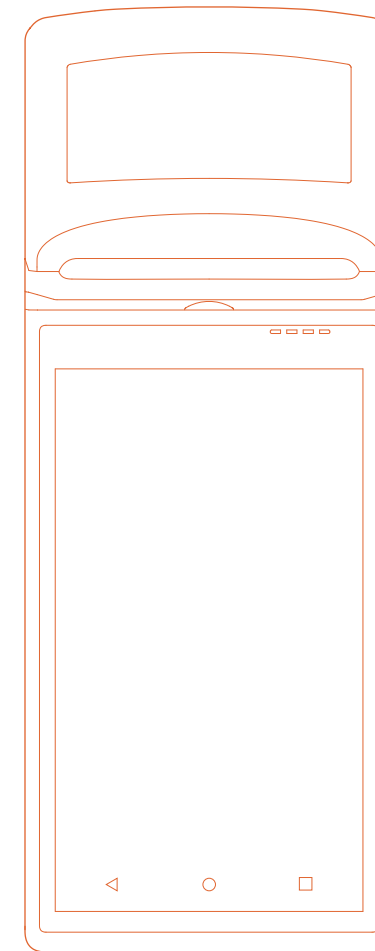
Camflash safety

LED is only used as indicating light.

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.

Manufacture

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W6900 Smart POS Terminal User's Guide