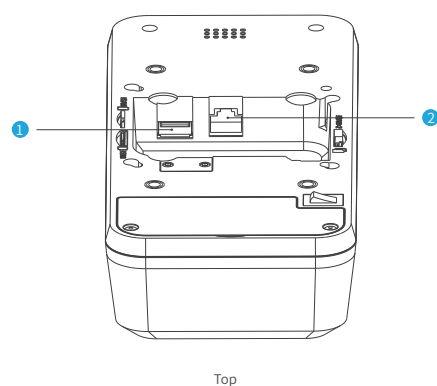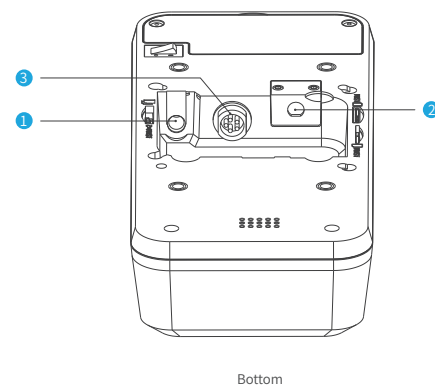① 4 LED Indicators   ② Scanner

③ Mounting bracket   ④ RS232 to DB9 converter cable
                          (optional for RS232 connection)

Top

① USB Type-A Host   ② PoE/Ethernet

Bottom

① DC Jack   ② External antenna (Optional)
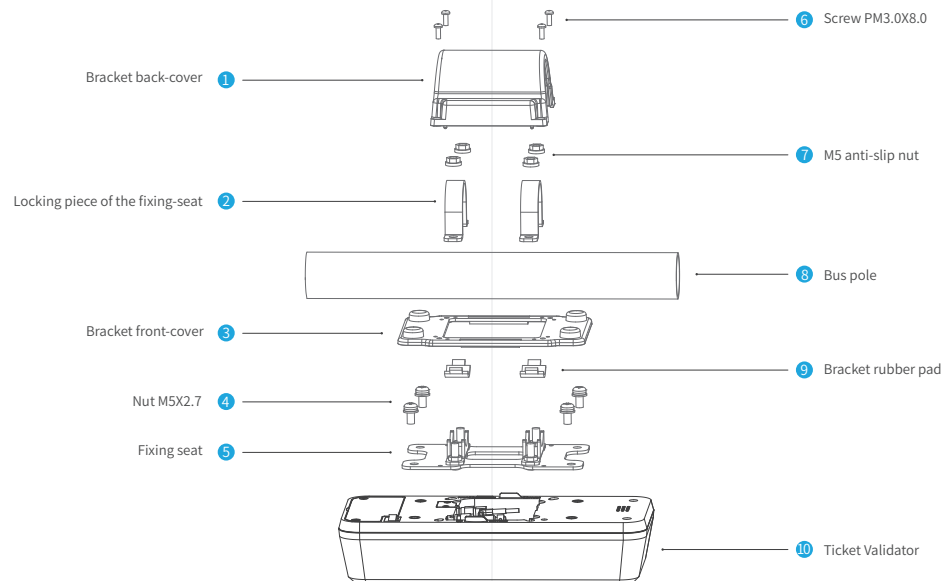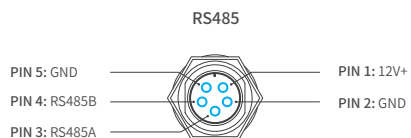
③ Aviation plug

WIZARPOS User Manual
Ticket Validator

www.wizarpos.com

RS232

PIN 3: RXD
PIN 4: TXD
PIN 5: GND

RS485

PIN 5: GND   PIN 1: 12V+
PIN 4: RS485B   PIN 2: GND
PIN 3: RS485A

Bracket back-cover ①

Locking piece of the fixing-seat ②

Bracket front-cover ③

Nut M5X2.7 ④

Fixing seat ⑤

⑥ Screw PM3.0X8.0

⑦ M5 anti-slip nut

⑧ Bus pole

⑨ Bracket rubber pad

⑩ Ticket Validator

Thank you for using the product of WizarPOS !

Intelligent + Security

PCi Security Standards Council
UnionPay International
VISA
MasterCard
AMERICAN EXPRESS
JCB
DISCOVER
EMVCo

Certification in progress ...
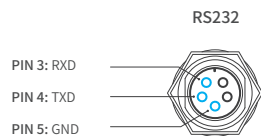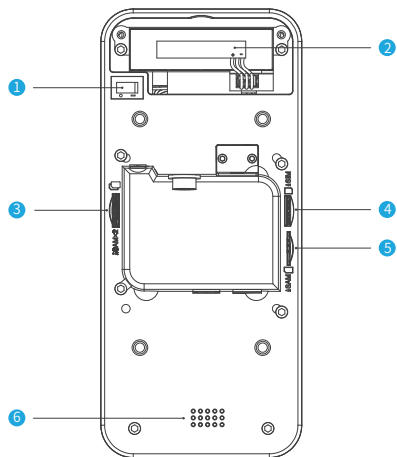
1 Backup battery switch (optional)
2 Backup battery (optional)
3 SAM X 2 (Optional)
4 SIM
5 SAM
6 Speaker

Quick Guide

1 Before use

a) Please check if the configuration is consistent with the requirements;
b) Please check whether the accessories are complete；

2 Power on and off

a) This product supports 12-24V DC power supply or PoE power supply, and the DC power supply can be powered from DC Jack or aviation plug (RS485 configuration only).
b) After the product is powered on, it will auto-boot and always on.
c) When needs to reboot the device, please cut off the power and then re-power the device.
d) To use the backup battery, please turn on the backup battery switch, and the backup battery is automatically charged when device is connected to DC/PoE power supply.

3 System setup

Click the "setup" icon on the desktop to setup the system.
You can set up the POS as needed.

4 Payment operation

a) Please follow the instructions of your payment App provider.
b) Tap the contactless card close to the screen to read the card.

Specification

Specification	Detailed Description
Software Platform	Secure Android, Based on Android 7.1
Processor	Qualcomm + Secure Chip
Memory	1GB RAM, 8GB Flash or 2GB RAM ,16GB Flash
Display	4" multi-touch color LCD panel (480 x 800 mm)
Scanner	1D & 2D barcode scanning
Security Certification	PCI PTS 5.x
Contactless Card	ISO1443 Type A & B, Mifare, Contactless EMV Level 1，Mastercard Paypass, Paywave, expresspay and D-PAS.
Communication	GSM, WCDMA, FDD-LTE, TDD-LTE, Wi-Fi, BT4.1, Etherhet / POE, RS232/ RS485
Audio	Built-in microphone, speaker
USB	USB Type-A Host, USB 2.0 HS compliant
Power	24V DC in / POE power supply
Dimensions	212 x 95 x 45.5 mm (83.5 x 37.4 x 17.9 inches)
Weight	205 g (0.45 lb)

All features and specifications are subject to change without notice.
Contact wizarPOS website for more details.
www.wizarpos.com

Safety Precaution for Use

Environment

Operating Temperature
0℃~45℃ (32°F to 113°F)

Operating Humidity
10%~93% No condensation

Storage Temperature
-20℃~60℃ (-4°F to 140°F)

Storage Humidity
10%~93% No condensation

Attention

◆ Do **NOT** refit the POS, that is illegal to privately refit financial POS.
◆ User shall bear the risks of installation and usage of third party APPs.
◆ The system will became slow if too many APPs installed.
◆ Pleases use dry and clean cloth to clean the POS, Do **NOT** use chemical.
◆ Do **NOT** expose the POS under heavy sunlight for long time.
◆ Do **NOT** use sharp and hard objects to touch the screen.
◆ Do **NOT** throw the POS, charger or battery as common household garbage. Please support recycle according to local environment rules.
◆ Please use the original battery and charger, otherwise that may cause product damage or personal injury.
◆ Do **NOT** put the battery into fire, otherwise it will cause explosion.
◆ The battery is forbidden to immerse, the battery can not be used again after entering the water.
◆ Do **NOT** short circuit battery, otherwise that will cause personal injury or battery permanent damaged.
◆ If battery is deformed or in abnormal heat, stop using it and replace it with new battery.
◆ Replacing with a wrong model battery may cause an explosion.

Product warranty policy

WizarPOS provide after-sales service according to relative laws. Please read the following warranty terms.

1. Warranty period: one year for POS.
2. In warranty period, wizarPOS provide free repair/replace service, if the product has non artificial product failures.
3. Welcome to contact WizarPOS or the its authorized distributors for supports.
4. Please show product warranty card with true information.

Warranty limitation clause

Situations due to following reasons are not covered under warranty policies. A charge service will be applied.

1. The POS is maintained/repaired by unauthorized party without WizarPOS permission.
2. The OS of POS is unauthorized changed by user.
3. The trouble is caused by the third party APP which is installed by user.
4. Damage due to improper use which like falling, squeeze, hit, soaking, burning…
5. No warranty card, or cannot provide true information in card.
6. Expiry of guarantee period.
7. Other conditions which is forbidden by laws.

List of harmful substances in the product and logo of environment-friendly use period.

Part	Harmful substances					
	Pb	Hg	Cd	Cr(VI)	PBB	PBDE
LCD and TP Module	○	○	○	○	○	○
Housing and keypad	○	○	○	○	○	○
PCBA and components	×	○	○	○	○	○
Accessories	×	○	○	○	○	○

This table is made according to requirement of SJ/T 11364.
○ means the harmful substance concentration in the parts is under the limits in GB/T 26572.
× means the harmful substance concentration of one or more homogeneous materials in the parts is exceeded the limits in GB/T 26572.
NOTE: Parts which marked × are compliant to China RoHS Regulation and EU RoHS Directive.

This is environment-friendly use period logo of the product. This logo means that in this period the product will not leak harmful substances in normal usage.

Trouble	Trouble shooting
Cannot connect the mobile network	◆ Check whether the function of "data" is open. ◆ Check whether the APN is correct. ◆ Check whether the data service of SIM is active.
No response	◆ Restart the APP or operation system.
Operation very slow	◆ Please stop active APPs which are not necessary.

Repair date	Repair content

Welcome to contact WizarPOS, or the local distributors for quickly support.
For more information, please log on to the company's official website
http://www.wizarpos.com

wizarPOS

V1.0, Jun, 2023

RED 2014/53/EU
Declaration of Conformity
Hereby, {WizarPos International Co., Ltd. } declares that this
{Smart POS} product is in compliance with essential requirements and
other relevant provisions of Directive 2014/53/EU.

Specifications
Hardware Version: 1.0.0
Software Version: 1.0.0
BT(BR+EDR) Frequency Range: 2402-2480MHz(Max power:
0.60dBm)
BLE Frequency Range: 2402-2480MHz(Max power: 0.32dBm)
2.4G WIFI Frequency Range: 2412-2472MHz(Max power: 15.58dBm)
GSM 900 Frequency Range: 880MHz~915MHz(Max power:
32.92dBm)
DCS 1800 Frequency Range: 1710MHz~1785MHz(Max power:
29.68dBm)
WCDMA Band I Frequency Range: 1920MHz~1980MHz(Max power:
23.57dBm)
WCDMA Band VIII Frequency Range: 880MHz~915MHz(Max power:
23.32dBm)
LTE FDD Band:
E-UTRA Band 1 Frequency Range: 1920MHz~1980MHz(Max power:
22.35dBm)
E-UTRA Band 3 Frequency Range: 1710MHz~1785MHz(Max power:
22.84dBm)
E-UTRA Band 7 Frequency Range: 2500MHz~2570MHz(Max power:
22.12dBm)
E-UTRA Band 8 Frequency Range: 880MHz~915MHz(Max power:
22.25dBm)
E-UTRA Band 38 Frequency Range: 2570MHz~2620MHz(Max power:
22.31dBm)
E-UTRA Band 40 Frequency Range: 2300MHz~2400MHz(Max power:
22.55dBm)
NFC Frequency Range: 13.56MHz
GPS Receiver Frequency Range: 1575.42MHz
SAR Max. Values: 1.045W/kg (10g) for Body

RF distance is 0mm.

Manufacturer   WizarPos International Co., Ltd.
Address   10th floor, No.509, Wuning road, Shanghai, China
Importer   XXXXX
Address   XXXXX

FCC Statement
Smart POS 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: Any changes or modifications to this device not explicitly
approved by manufacturer could void your authority to operate this
equipment.
This device complies with part 15 of the FCC Rules. Operation is subject to
the following two conditions:
This device may not cause harmful interference, and (2) this device must
accept any interference received, including interference that may cause
undesired operation.

Specific Absorption Rate (SAR) information:
Smart POS 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 1.6 W/kg averaged over one
gram of tissue. Device types: Smart POS has also been tested against
this SAR limit. This device was tested for typical body-worn
operations with the back of the Smart POS kept 0mm from the body.
To maintain compliance with FCC RF exposure requirements, use
accessories that maintain an 0mm separation distance between the
user's body and the back of the Smart POS. 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.