



Customer Service Center  
0086-571-56686126

**SUNYARD** S200 Android POS Terminal User Guide

## Warranty

### FCC regulatory conformance:

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.

**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

**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.

### RF Exposure

The SAR limit adopted by FCC is 1.6 W/kg averaged over one gram of tissue. The highest SAR value reported to the FCC for this device type complies with this limit. The highest SAR value reported to the FCC for this device type when using in portable exposure conditions is 1.45 W/kg.

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### Declaration of Conformity

Hereby, Siden, Inc. declares that the radio equipment type S200 of Smart POS Terminal is in compliance with Directive 2014/53/EU and this product is allowed to be used in all EU member states. The full text of the EU declaration of conformity is available at the following internet address: <https://www.sydtech.com.cn/>

### Manufacturer information:

Company name: Hangzhou Sunyard Technology Co., Ltd.  
Address: Sunyard Science & Technology Building, 3888 Jiangnan Ave., Binjiang Dist., Hangzhou, China

### Operation temperature: 0~45°C

### Operation frequency (Max power)

| Radio                 | Frequency                 | Max. power                |
|-----------------------|---------------------------|---------------------------|
| Bluetooth             | 2402-2480MHz              | 8.9dBm(EIRP)              |
| WiFi 2.4G             | 2412-2472MHz              | 17.9dBm(EIRP)             |
| WiFi 5G               | 5150-5250MHz              | 15.4dBm(EIRP)             |
|                       | 5725-5850MHz              | 13.9dBm(EIRP)             |
| GSM                   | 900MHz                    | 33dBm(Conducted)          |
|                       | 1800MHz                   | 30dBm(Conducted)          |
| WCDMA                 | Bands 1/8                 | 23.5dBm/24dBm (Conducted) |
| LTE FDD               | Bands 1/3/7/8/20/28       | 24dBm(Conducted)          |
| LTE TDD               | Bands 38/40               | 24dBm(Conducted)          |
| NFC                   | 13.56MHz                  | 55.2dBuV/m @3m            |
| Satellite positioning | support BDS, GPS, GLONASS |                           |

### RF exposure statement

For the countries that adopt the SAR limit of 2.0W/kg(body) and 4.0W/kg(Limbs) over 10 grams of tissue. The device complies with RF specifications when used at a distance of 5mm from your body and 0mm from your Limbs. The highest reported SAR value: body SAR: 1.37W/kg, Limbs SAR: 2.811W/kg

The device is restricted to indoor use when operated in the European Community using frequency 5150MHz-5250MHz to reduce the potential for interference.  
Restriction in BE, BG, CZ, DK, DE, EE, IE, EL, ES, FR, HR, IT, CY, LV, LT, LU, HU, MT, NL, AT, PL, PT, RO, SI, SK, FI, SE, UK(NI).

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## 3. User Instruction

### (1) POWER ON/OFF instruction

POWER ON : Press ON/OFF button for 3 seconds

POWER OFF: Press ON/OFF button for 3 seconds, and then press power off showed on the screen.

### (2) Magnetic card

Put the magnetic card into the magnetic card slot to read, magnetic side towards to the LCD(refer to the sign for card identification), keep smooth, uniform when swiping the card.

### (3) Contact IC card

Insert IC card into the IC card slot, the side with chip towards to keypad, please refer to card identification  
(4) Contactless card

Put the contactless card near to the contactless card reader zone on the terminal, and make contactless card transaction. Put one contactless card every time to avoid conflict.

### (5) Charging

Connect the USB cable to terminal and the 5V2A power adapter to charge.

## 4. Specification

| Item                 | Specification  |
|----------------------|--|
| CPU                  | ARM Quad-core Cortex A53 processor, 64-bit secure processor  |
| Memory               | RAM-2GB LPDDR, Flash-32GB eMMC<br>RAM-4GB LPDDR, Flash-64GB eMMC (Optional)  |
| Operation System     | Android 13, Secure Payment System  |
| Display              | 6.7-inch 720*1600 IPS Capacitive multi-touch screen  |
| Extended Storage     | Micro SD card, Max support 32G   |
| PINPad               | Built-in password keypad, Conform to ANSI X9.8/ISO9564, ANSI X9.9/ISO08731 standard Support Master Key/Session Key, Fixed, DUK PTec PIN protection technology, Support DES, 3DES, RSA, SHA-256 and AES etc algorithm |
| Touch Screen         | Capacitive touch screen, support e-signature   |
| IC Card Reader       | Conform to ISO7816, PBOC3.0 and EMV4.2 LEVEL1&2 standard   |
| Magnetic Card Reader | Support ISO7811 1/2/3 track, Bi-directional reading  |

## 5. Instruction for installation and usage

1. Please use the terminal under the specified voltage range, not use too low or too high voltage.

2. Make sure the connection is correct when connecting to the host.

3. Don't damage the cable; if the cable is damaged, do not use it.

4. Put away from the place with direct sunlight, high temperature, moist, dusty or highly corrosive gas.

5. Put away from liquid; do not use terminal at the place where the water may wet or enter into the terminal; do not operate the terminal with wet hand.

6. It is strictly prohibited to open the terminal without permission, otherwise the terminal will be triggered; it will be on your own risk.

7. If the terminal is out of service, please contact the engineers, do not repair the terminal by unauthorized engineers.

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## 6. Password protection instruction

1. When entering the password, cover it with your body hands to prevent it from being peed.  
2. The scope of the surveillance main installed by the merchant shall abide the location of the terminal as far as possible to prevent the cardholder's password disclosure.

## 7. Packing list:

| Item No. | Name                      | Quantity |
|----------|---------------------------|----------|
| 1        | S200 Android POS Terminal | 1 pcs    |
| 2        | USB cable                 | 1 pcs    |
| 3        | User manual               | 1 pcs    |
| 4        | Printing paper            | 1 pcs    |
| 5        | Power Adapter             | 1 pcs    |
| 6        | Battery                   | 1 pcs    |

Sunyard technology reserves the rights to change the specification of the terminal without prior notice.



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Hangzhou Sunyard Technology Co., Ltd.

**SUNYARD**  
Product Manual  
Service Hotline: 0086-571-56686126

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