

S90 Mobile Payment Terminal Use Manual



# 1, Product Description



Figure 1: Top View

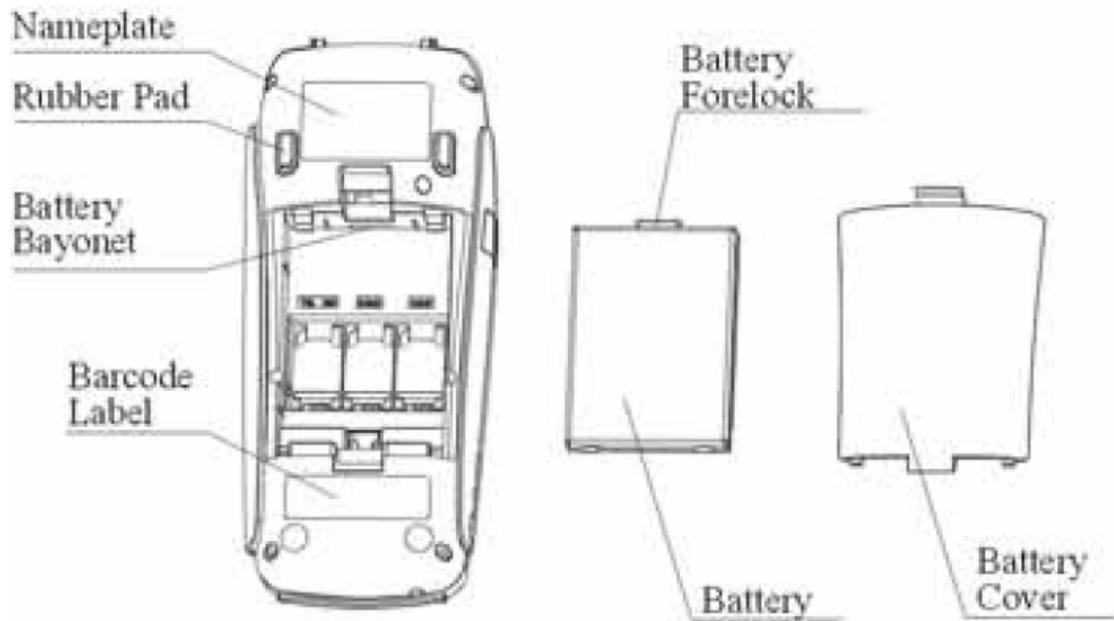
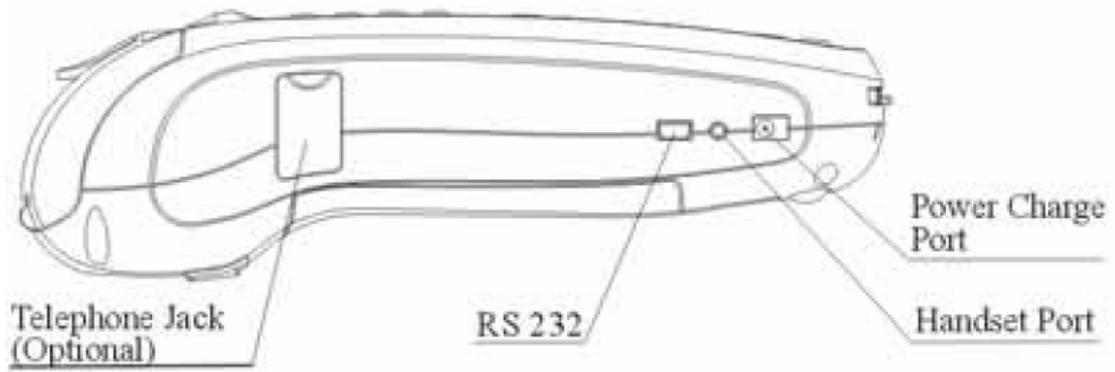
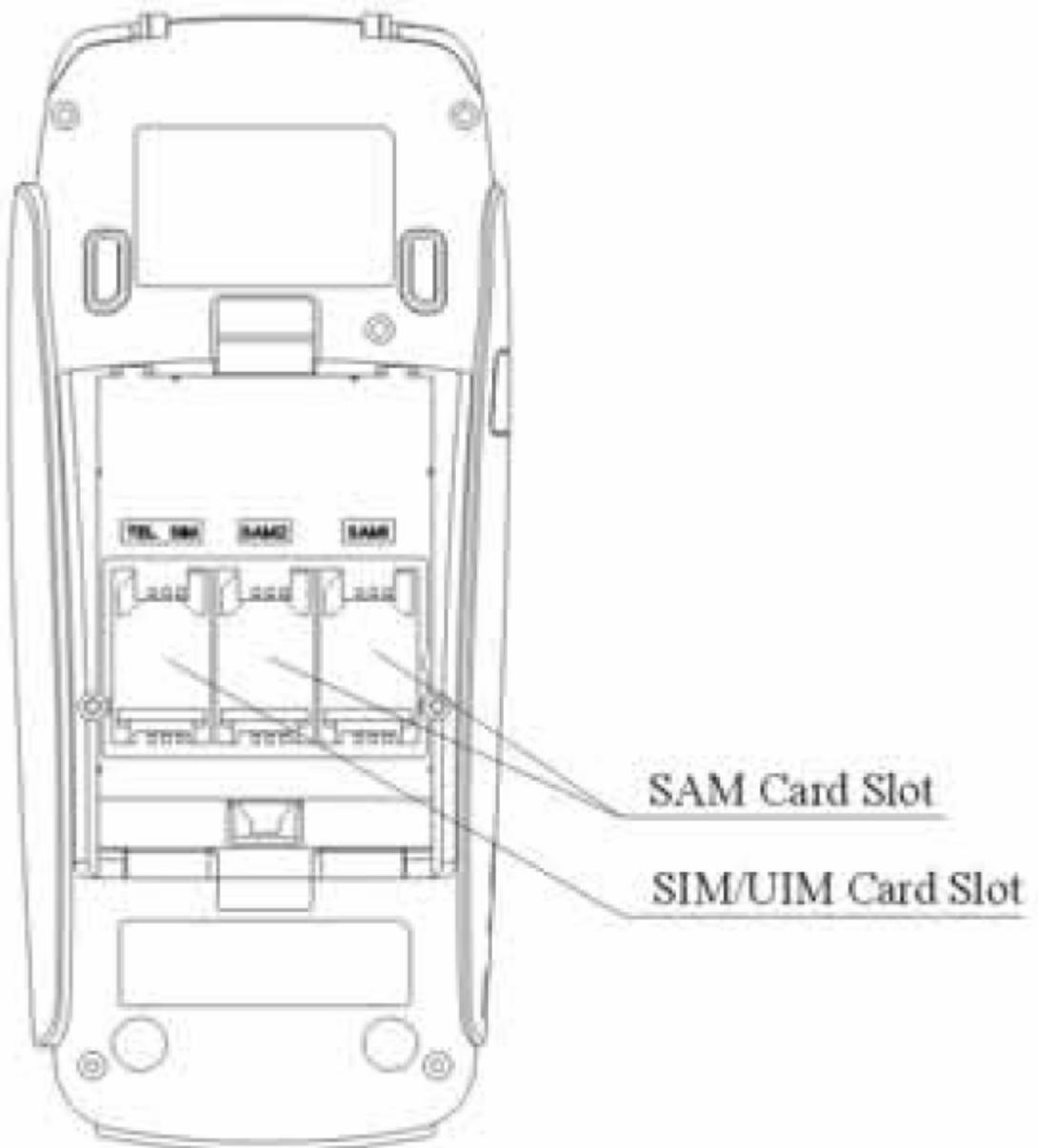


Figure 2: Bottom View



**Figure 3: Side View**



**Figure 4: SAM/SIM Card Slots**

## **2、 Installation**

### 1) SAM Card Installation

- ① Open up battery cover, which is at the bottom of the terminal;
- ② Take out battery;
- ③

Insert SAM card to corresponding SAM card slot.

### 2) SIM/UIM Card Installation

- ① Open up battery cover, which is at the bottom of the terminal;
- ② Take out battery;
- ③

Insert SIM/UIM card to corresponding SIM/UIM card slot.

### 3) Battery Installation

- ① Hold the battery with its sticker facing up.
- ② Attach battery forelock to battery bayonet ;
- ③ Press down the other side of the battery.

## **3、 Instructions**

### 1) Power ON/FF

Power on: Press power switch button for 2 seconds until LED backlight is on, and the buzzer will beep if POS is being turned on successfully.

Power off: Press power switch button for 2 seconds until the displaying content vanishes. POS is being turned off.

### 2) Magnetic Stripe Card

When user swipes magnetic stripe card along the slot, the backside of the card, which contains magnetic stripe information, should be facing to the terminal. Bi-directional swiping is supported. It is recommended to swipe starting from the top of the terminal to the bottom of the terminal, with a constant moving speed.

### 3) IC card

When user inserts IC card into the IC slot, the chip of IC card should be facing up; user is recommended to gently insert the card, in order to avoid any physical damage to the card or the IC slot of the terminal. If IC card is successfully read by the terminal, the IC card icon will be shown on LCD display screen.

### 4) Tearing off receipt from the terminal

After the receipt is printed, pinch the end of the receipt and keep an angle of 45 degrees between receipt and the cutter of the terminal; tear off the receipt swiftly.

## 4、 Specifications

### Default

CPU	32-bit, ARM9, 180MHz
Memory	8MB FLASH , 16MB SDRAM
Display	128×64 pixel LCD, LED backlight
Keypad	10 alphanumeric keys, 8 function keys,4 ATM keys and 1 switch [ON] key
Magnetic Card Reader	Track 1/2/3, bi-directional swipe
IC Card Reader	1 user card (EMV2000)
SAM Slots	2, ISO7816
Communication	GSM, GPRS
Peripheral Ports	1 RS232, 1 power charge port, 1 Handset port
Printer	Thermal printer, Speed: 12.5 lines/sec Paper width:58mm Paper roll outside diameter:38mm
Battery	Li-ion battery, 1800mAh, 7.4V, Over 40 hours of standby time
Power Supply	Input: 100~240VAC, 50Hz/60Hz, 1.0A, Output:9.5VDC, 4A
Working Environment	Temperature: 0°C ~50°C (32°F ~120°F) R.H.: 10%~90%( non-condense)
Storage Environment	Temperature: -20°C ~70°C (-4°F ~150°F) R.H.:5%~95% (non-condense)
Dimensions	199mm x 87mm x 61.5mm (L x W x H)
Weight	485g

Note: RSS232 Port only used as upgraded EUT by manufacturer

## 5、 Battery Usage Tips

- 1) Do not assemble, squeeze, punch or short the battery.
- 2) Do not put battery into water or near fire.
- 3) Do not store battery in an environment with a temperature high than 70°C. Appropriate storage temperature is between -20°C ~70°C.
- 4) Do not use other chargers for recharge.
- 5) Keep the electrical contacts of battery away from other conductive material.
- 6) Do not use other batteries which are not manufactured by PAX
- 7) Do not charge battery in explosion hazardous area.
- 8) Do not assemble battery in explosion hazardous area.

## 6、 Terminal Installation and Usage Tips

- 1) Do not damage electric wire and power adapter. If electric wire or power adapter is damaged, please do not use the terminal any more.
- 2) Before power adapter is plugged into power socket, please make sure that voltage which the power socket supplies is appropriate working voltage for the terminal.
- 3) Do not expose the terminal in sunshine, or in humid, hot, or dusty environment
- 4) Keep the terminal away from liquid material.
- 5) Do not plug any unknown material into any port of the terminal, since it may create serious damage to the terminal.
- 6) If the terminal is defective, please contact professional POS repair technicians.
- 7) When installing paper roll, please be aware of the cutter within paper bracket.
- 8) Please use standard thermal paper, in order to protect the printer and avoid paper jam.
- 9) Do not assemble the terminal in explosion hazardous area.

## Warning:

We declare that:

- ※ The product is installed with battery separately in the box. The FCC ID label is placed on Mobile Payment Terminal clearly visible to all persons at the time of purchase.
  - ※ The user is cautioned that changes or modifications not expressly approved by the manufacturer 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.
  - ※ Do not attempt to disassemble the Mobile Payment Terminal and battery by yourself. Non-expert handling of the devices may damage them.
  - ※ Your Mobile Payment Terminal is a radio transmitter and receiver. It is designed and manufactured not to exceed limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. 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. The exposure standard for Mobile Payment Terminal employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limits set by the FCC are 1.6W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the Mobile Payment Terminal transmitting as 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 phone while operating can be well below the maximum value. This is because the Mobile Payment Terminal is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station, the lower the output power.
- This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment .