P/N:200312000000129

S80
Handover
Countertop Payment Terminal

PAX TECHNOLOGY LIMITED reserves the right to change product technology specifications without notifying.

PAX TECHNOLOGY LIMITED

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PAX TECHNOLOGY LIMITED
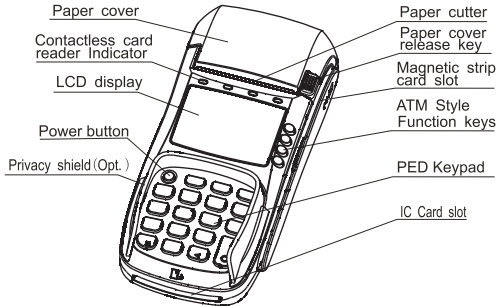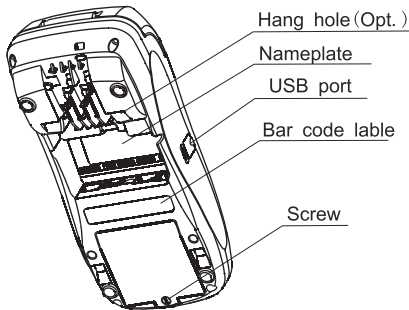
Appearance Description

1

Paper cover
Contactless card reader Indicator
LCD display
Power button
Privacy shield (Opt.)

Paper cutter
Paper cover release key
Magnetic strip card slot
ATM Style Function keys
PED Keypad
IC Card slot

Figure1: Top view

Hang hole (Opt.)
Nameplate
USB port
Bar code lable
Screw

Figure 2: Bottom View

1

LAN/RS232B LINE Power RS232A PINPAD

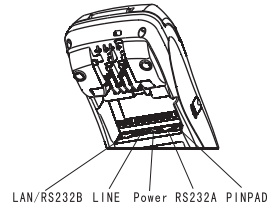Figure 4: Ports at Bottom

Installation

2

1) Place S80 on table
2) Connect the attached cable
  a) Remove port lid on bottom of S80
  b) Connect each plug of the attached cables into the corresponding sockets on the rear panel of the terminal.
  c) Put the lid on.
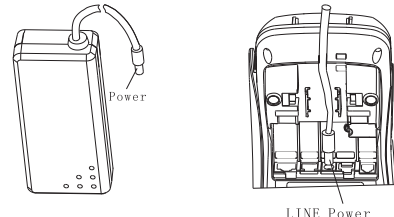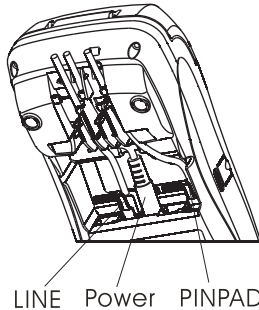The figure below shows completed cable installation.

Power

LINE Power

Figure 4: Power cable connection

2

3) Insert the telephone cord supplied with the terminal into standard RJ-11 type outlet which on the S80 adapter. Connect the other end of the telephone cord into a standard RJ-11 type modular telephone line outlet.

4) Connect serial facility to RS232 socket.

LINE   Power   PINPAD

5) Connect AC plug of power adaptor into AC socket.
6) Place paper roll into S80
   a) Press the button to open the lid
   b) Insert paper roll along the arrow
   c) Lead the paper out and place the paper on paper cut and push the lid downward until a sound of "ka" can be heard
7) Turn on S80, LCD backlight is on. On screen initialization and application interface show on one after another.
8) To perform a simulation of transaction successfully thus the S80 installation is finished.

Instructions

③

1) Power on/off
   Power on: Press the red button for about 2 seconds until LED backlight on, the POS is on.
   Power off: Press the red button for about 2 seconds until the content of display vanishes, the POS is off.
2) Magnetic swipe
   When pulling a magnetic card along the slot, make the magnetic stripe face the machine. Bi-directional pulling the magnetic card is acceptable. It is recommended from up to down, and with a steady speed.
3) IC card operational description
   When insert a card, make the contact of the card upward. Gently insert and withdraw the card In order to protect the contact on card and IC card connector.
4) Tear paper operation
   Hold the end of paper along with the paper cut as an angle of 45 degree and swiftly and evenly tear the paper off.

Specification

④

Basic configuration
CPU: 32-bit, ARM11
Memory: 128MB FLASH, 64MB DDR
Display: 128×64 pixel LCD, LED backlight

Keypad: 10 alphanumeric keys, 8 functional
                         keys, 4 ATM keys, 1 switch(ON) key
Magnetic Card Reader: ISO7812, Track 1/2/3, bi-directional
                         swipe
IC Card Reader: 1, EMV2000
SAM Slots :   3, ISO7816
Modem: Sync SDLC, baud rate:
                         1200/2400/9600bps
                         Asnyc V.92. up to 56Kbps）
Peripheral Ports :   1 RS232,1 PIN Pad, 1 Line port,
                         1 USB port
Printer :   Thermal printer, Speed: 20 lines/sec
                         Paper width: 58mm
                         Paper roll outer diameter 50mm
Power Supply: Input: 100 240VAC 50Hz/60Hz 1.0A，
                         Output: 8.2VDC 3A
Working Environment: Temperature: 0℃~50℃(32℉~122℉)
                         R.H.: 10%~93%(non-condense)
Storage Environment: Temperature:-20℃~70℃(-4℉~158℉)
                         R.H.: 5%~95%(non-condense)
Dimensions: 216mm x 95mm x 86mm (L x W x H)
Weight: 470g

Optional
1) Function of Ethernet TCP/IP or RS232B.

2) Function of contactless card reader (ISO/IEC 14443 Type A/B, Mifare
reading card. The card sensing area: LCD screen)

Notice at Installation and Use

5

1) Use a power bar well grounded and with a fuse in it.

2) Protect power supply cable and power adaptor. If they are broken, they are no longer be used.

3) Before connect power bar to AC socket, make sure the voltage is correct as POS states.

4) POS should be placed steady on table. It is not allowed make it under sun beam, high temperature, high humidity or place full of dust.

5) Keep it away from liquid.

6) Don't insert hard stuff into port which may damage POS severely.

7) When a POS is in failure, please contact designated personnel to maintain it. It is not allowed to repair it on your own.

8) When insert paper roll, do not touch paper cut and protect your finger from being hurt.

9) Only use designated paper roll to avoid paper jam or damaging the printer.

Announcement

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The following techniques can be employed to provide for effective screening of the PIN-entry during the PIN entry process. These methods would typically be used in combination, though in some cases a method might be used singly.

Positioning of terminal on the check-stand in such way as to make visual observation of the PIN-entry process infeasible. Examples include:

− Visual shields designed into the check-stand. The shields may be solely for shielding purposes, or may be part of the general check-stand design, e.g., used as selling area.

− Position the PED so that it is angled in such a way to make PIN spying difficult.

Installing PED on an adjustable stand that allows consumers to swivel the terminal sideways and/or tilt it forwards/backwards to a position that makes visual observation of the PIN-entry process difficult.

Positioning of in-store security cameras such that the PIN-entry keypad is not visible.

Post instructions around check-stand, in order to inform customers. Instructing the cardholder regarding safe PIN-entry. When the cardholder input his/her PIN, he/she had better use his/her body and hands to prevent visual observation of PIN-entry process.

Note：To protect the process of PIN-entry, it is not limited to the above methods and examples, merchants also can adopt other methods and steps to keep cardholder's PIN safe.

S80 PIN-entry observation corridors V.S. PIN protection methods

Method	Observation Corridors				
	Cashier	Customers in Queue	Customers Elsewhere	On-Site Camera	Remote Cameras
S80 in Check-Stand with shield	H	H	M	H	H
S80 on Adjustable Stand	H	H	H	M	M
Post Customer Instruction	H∗	H∗	H∗	H∗	H∗

*Note *Customer instruction methods are less repeatable and therefore should be used in combination with other methods. Security levels: L = low，M = medium，H = high*

Customer Information

This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the body of this equipment is a label that contains, among other information, a product identifier in the format US: PAXMM00BS80. If requested, this number must be provided to the telephone company.

This equipment uses the following USOC jacks: RJ11C

A plug and jack used to connect this equipment to the

premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. See installation instructions for details.

The REN is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most but not all areas, the sum of RENs should not exceed five (5.0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company. For products approved after July 23, 2001, the REN for this product is part of the product identifier that has the format US: PAXMM00BS80. The digits represented by 00 are the REN without a decimal point (e.g., 03 is a REN of 0.3).

For earlier products, the REN is separately shown on the label.

If this equipment [EFT-POS Terminal] causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice isn't practical, the telephone company will notify the customer as soon as possible. Also,

you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.

If trouble is experienced with this equipment [EFT-POS Terminal], for repair or warranty information, please contact [PAX Technology Inc. 631247-9660]. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.

Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information.

If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this [PAXMM00BS80] does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

This equipment is hearing aid compatible.

FCC Caution

§ 15.19 Labelling requirements.

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.

§ 15.21 Information to user.

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

§ 15.105 Information to the user.

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.