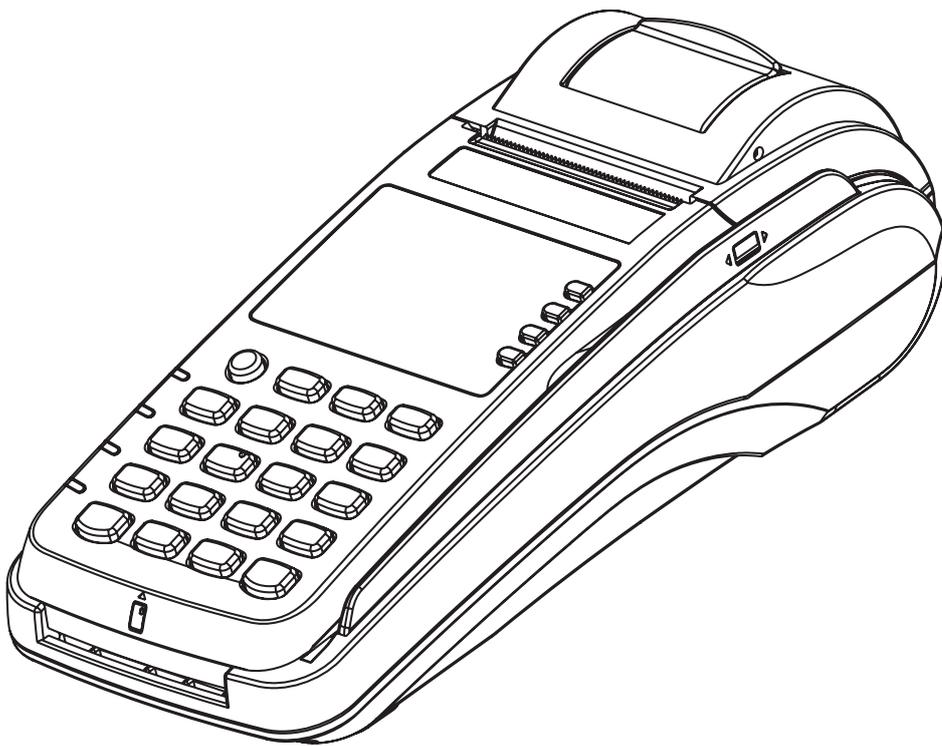


NEW7110

EFT-POS

PRODUCT MANUAL



NEW POS TECHNOLOGY LIMITED

For you safety

- ★ Use only approved power supply for 7110, or unrecognized power supply may damage the device.
- ★ Do not touch the paper cutter or printer thermal head to avoid hurt.
- ★ Please read the function introduction carefully before operating device.

Contents checklist:

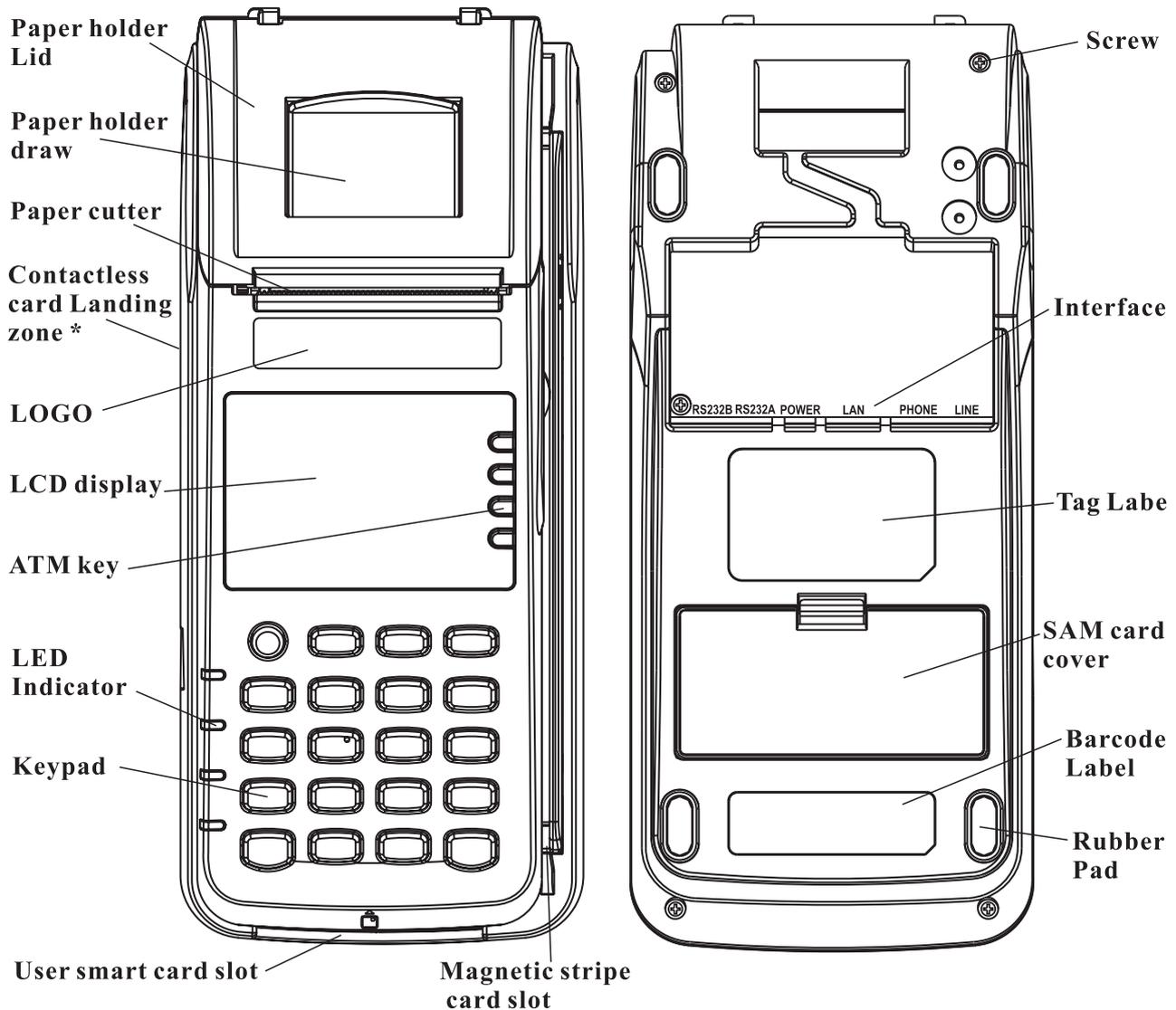
The following items should be found inside the box:

1 NEW7110 EFT-POS	1PCS
2 Power Supply	1PCS
3 AC Power Cable	1PCS
4 Thermal Paper Roll	1PCS
5 Product Manual	1PCS
6 Phone Cable(optional)	1PCS

Product Introduction

NEW7110 is a low cost and high performance Countertop terminal, with high speed ARM9 CPU, and large memory. The terminal supports communications for PSTN, LAN, or Wi-Fi and remote download, which allows operator to update application and maintain device conveniently. NEW7110 adopts Linux OS and supports multiple tasks and mutiple applications.

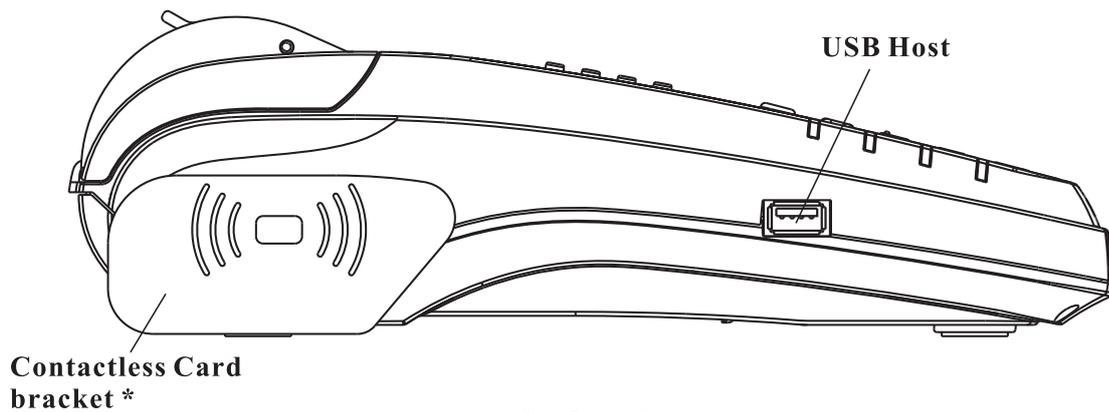
NEW7110 Figure



Top view

Back view

Note Asterisk(*) indicates the optional function.



Side view

Function description of parts

- Paper holder:** Holding thermal paper roll
- Paper holder draw:** Drawing upward the paper holder draw to open the paper holder, pressing downward to close it
- Paper cutter:** Cutting thermal paper
- Contactless Card Reader:** The tapping zone is near the left side of paper holder; the reader supports (optional) Mifare classic, Mifare ultralight, Mifare DESFire, ISO14443 A&B, SONY FeliCa
- LOGO:** Indicating model name
- Display:** 128*64 LCD display, with white LED backlight
- ATM key:** Four ATM keys, whose functions depends on application
- LED indicator** Indicating the status of power and PSTN in turn, POWER/TX/RX/ONLINE (valid in PSTN Mode)
- Keypad:** 10 numeric key/9 Function key, 1 Power ON/OFF key
- User smart card slot:** Supporting EMV card with contact surface facing up
- Magnetic Stripe Card Reader:** ISO7812, 1/2 Tracks or 2/3 Tracks or 1/2/3 Tracks, bi-directional swiping with the magnetic stripe facing LCD
- Screw:** Fastening the front and rear case, and only detached by maintainer
- Interface:** RS232B, RS232A, POWER, LAN, PHONE, LINE, locating at the interface holder in the bottom of device
- Tag Label :** Showing model name and rated device parameter
- SAM card cover:** Opening the cover to access SAM connector
- Barcode Label:** Indicating device serial number
- Rubber Pad:** Four pads, anti-vibration/non-slip
- USB:** One USB Host (It's just for software upgrading)
- Contactless Card bracket (optional):** Supporting the contactless card during card recharge

Installation Guidance

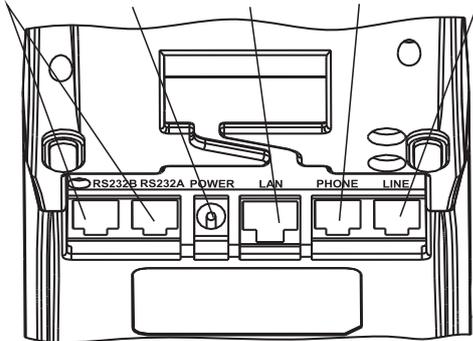
1. Insert SAM card

- ☛ Confirm that the device is in power down mode;
- ☛ Open the SAM card cover;
- ☛ Insert SAM card;
- ☛ Take the SAM card cover back in its place;

2. Install cable and turn on device

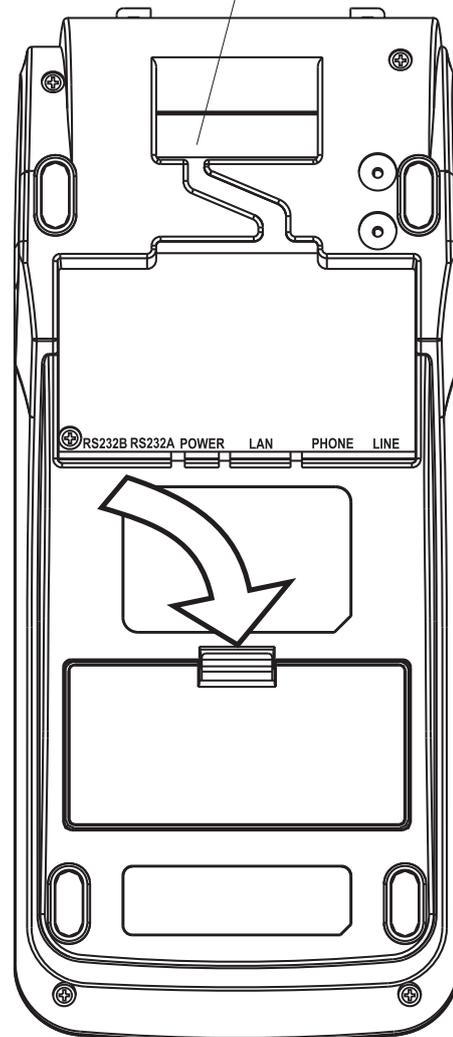
- ☛ Plug the DC end of Power supply into the port of POWER;
- ☛ For PSTN , insert the communication cable into LINE interface and phone cable into PHONE interface;
- ☛ For ethernet, insert net cable into the LAN interface;
- ☛ Clear up the cables through the slot;
- ☛ Press the  key for a second and buzzer beeps. Then release the key and the device is turned on;

RS-232 POWER LAN PHONE LINE



Interface

Cable Slot



Back View

3. Turn off device

- ☛ During power on mode, press the  key at least for 2 seconds. Once the buzzer beeps, release the power key. The device calls the service of power off. The device is turned off after it stores data;

4. Install paper roll

- ☛ Draw the paper holder draw upward and open paper holder;
- ☛ Load the paper roll into the paper holder and extend the paper 2-3cm above paper cutter ;
- ☛ Close the paper holder;
- ☛ Press the **FEED** key for a while to confirm whether the paper roll is loaded successfully.

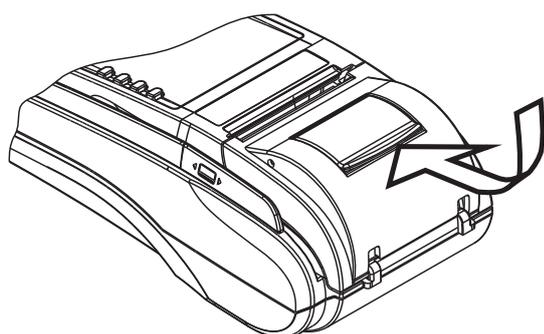


Figure of opening paper holder

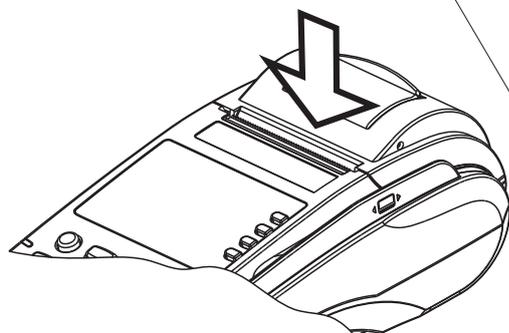


Figure of closing paper holder

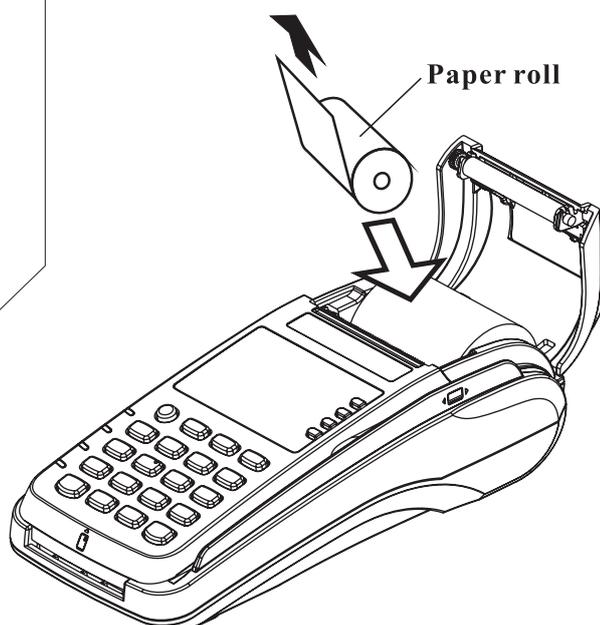


Figure of loading paper

Note

- △ During loading paper roll, keep the thermal sensitive film of paper (external side of paper roll) facing the thermal head of printer to ensure normal printing.
- △ After long term printing, keep away from thermal printer head for high temperature.
- △ Keep away from the thermal printer paper cutter for the sharp edge.

5. Tearing off the paper

- ☛ Hold the thermal paper edge, keep the paper at 45 degree angle with the LCD surface, tear off the paper from left to right with steady speed.

6. Swiping a Magnetic Stripe Card

- ☛ During card swiping, the magnetic stripe should be downward and face the LCD of terminal, swipe it through the reading slot located on the right side of the terminal bidirectionally;
- ☛ Swipe the card with steady speed;

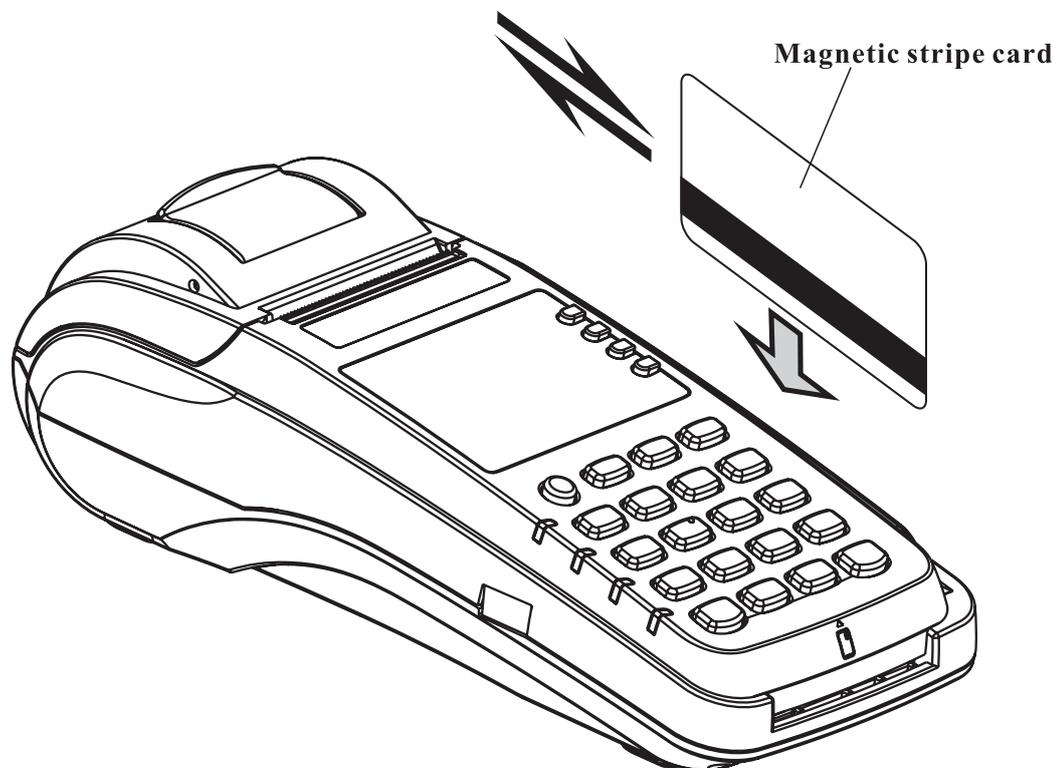


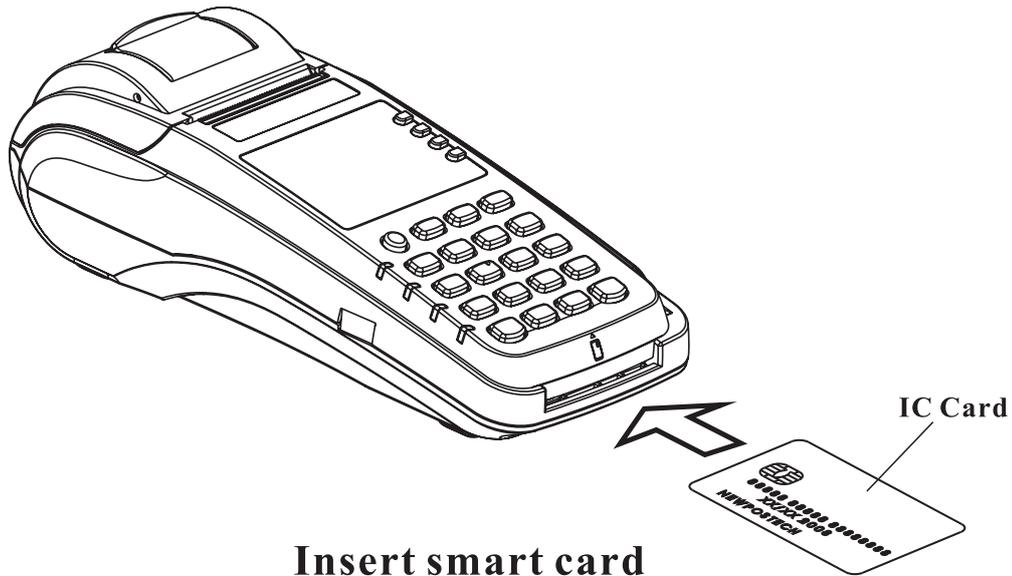
Figure of swiping card

Note

- △ During swiping, keep the lower edge of the magnetic stripe card horizontally with the card guiding surface. Or it maybe lead to swiping card error.

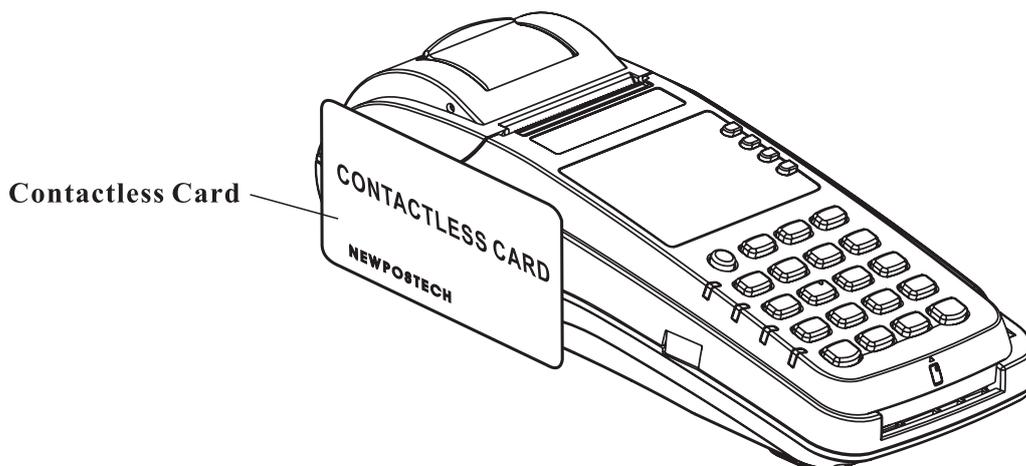
7. Insert user smart card

- ☛ Insert smart card with the gold-colored contact surface facing up into the card slot.
- ☛ View LCD IC card icon to judge if IC card is inserted into its place. If the IC card icon is light on, it indicates OK. If the icon is not light on, please confirm if gold-colored contact surface of card is facing up and IC card is inserted into its place.



8. Tap contactless card *(optional)

- ☛ Tap the contactless card near the left side of device where the contactless card bracket is located as the figure shows. The buzzer will prompt the cardholder the completion of transaction.



Technical Specifications

Processor:	32-bit CPU, ARM9, 400MHz
Memory:	128MB FLASH, 32MB SDRAM
Display:	128 * 64 pixel LCD, white LED backlight and specific icon
Keypad:	10 alphanumeric keys, 9 function keys, 4 ATM keys, 1 Power ON/OFF key
Magnetic Card Reader (optional) :	Compliant with ISO7811, ISO7812; Track 1/2/3, bi-directional swipe
IC Card Reader(optional) :	1 user card (EMV4.2), supports SLE4442 / SLE4428 memory card
PSAM Slot(optional) :	2/3 PSAM slots, compliant with ISO7816; Supports PPS protocol, up to 300kbps
Contactless Card Reader (Optional):	Supports Mifare classic, Mifare Ultralight, Mifare DESFire, ISO 14443 A & B, SONY FeliCa
OS:	Linux
Language:	Supports Chinese (GB18030), English, French, German, Latin, Russian, Arabic, Vietnam etc. Supports Unicode
Printer:	High speed thermal printer, Easy-load style Speed: up to 25 lines/sec (75mm/sec) Paper width: 58 +/-1mm, paper roll outside diameter: 50mm Adjustable print gray, supports dual-layer thermal paper
Remote Download:	Supports NewTMS or FTP remote download
Internal MODEM (Optional) :	Synchronous: V.22bis, V.29, supports 1200/2400/9600bps Asynchronous: V.34, up to 33.6Kbps Supports PPP dial, supports full SSLv2/3 TLSv1
Internal LAN (Optional):	10Base-T/100Base-T, supports full SSLv2/3 TLSv1
Internal Wi-Fi (Optional):	802.11b/g, supports full SSLv2/3 TLSv1
USB:	1 USB Host (It's just for software upgrading)
Peripheral Port:	2 RS-232 (up to 3), 5V @ 500mA DC output 1 RJ11 for line, 1 RJ11 for phone , 1 RJ45 for TCP/IP
Power Supply:	Input: 100 ~ 240VAC, 50Hz/60Hz; Output: 12VDC, 3A
Dimensions:	229mm x 98mm x 70mm (L x W x H)
Weight:	530g

Environment

Working Environment:

Temperature: 0°C ~ 50°C(32°F ~ 122°F); Humidity: 10% ~ 90% (non-condense)

Storage Environment :

Temperature: -20°C ~ 60°C(-4°F ~ 140°F); Humidity: 5% ~ 95% (non-condense)

Notice to user

- △ Use only approved power supply. or unrecognized power supply may damage the device.
- △ Place the device in the steady platform and away from direct sunlight, high temperature, wet and dusty environment.
- △ Do not insert any foreign matter into the ports, or it will damage device.
- △ Do not use ethanol and other corrosive liquid to clear the device.
- △ Be away from liquid.

Note:

1. Warranty valid for 12 months after purchasing date.
2. This warranty will be voided if the product is damaged due to natural disaster, fire, unauthorized alteration or improper usage.
3. Free Warranty covers original parts only
4. Warranty service will not be provided if no the dealer's stamp or this card is missing.

Security Guide for PIN-entry

- △ The device operates in an environment attended by a merchant, cashier, or sales clerk.
- △ Card holder had better use his/her body and hands to prevent visual observation of PIN-entry process.
- △ Place the in-store security cameras where the PIN-entry keypad is not visible.
- △ Do not outlet PIN to others or write the password on card.

Declaration

NEW POS Technology limited reserves the right to substitute, add or alter any item in the manual. NEW POS Technology limited tries best to avoid literal error and does not accept any responsibility for it.

NEW POS Technology limited undertakes no responsibility for any loss and harms that result from misuse the device not complying with the instruction of product manual.

All rights reserve.

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.

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

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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.

Customer Information:

1. This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the bottom of this equipment is a label that contains, among other information, a product identifier in the format US:AAAEQ##TXXXX. If requested, this number must be provided to the telephone company.
2. 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
3. If this equipment [US:8GTMM00BNEW7110] 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.
4. 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.
5. If trouble is experienced with this equipment [US:8GTMM00BNEW7110], for repair or warranty information, Service can be facilitated through our office at:

U.S. Agent Company name: VISUALTEL
Address: 2303 Cameron Drive, Buford, Georgia 30518
Tel: (480) 319-1980

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.

6. Please follow instructions for repairing if any (e.g. battery replacement section); otherwise do not alternate or repair any parts of device except specified.
7. Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information.
8. If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this [US:8GTMM00BNEW7110] does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.
9. If the telephone company requests information on what equipment is connected to their lines, inform them of:
 - a) The ringer equivalence number [0.0B]
 - b) The USOC jack required [RJ11C]
 - c) Facility Interface Codes ("FIC") [02LS2]
 - d) Service Order Codes ("SOC") [9.0y]
 - e) The FCC Registration Number [US:8GTMM00BNEW7110]
10. 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. The REN for this product is part of the product identifier that has the format US:AAAEQ##TXXXX. The digits represented by ## are the REN without a decimal point. For this product the FCC Registration number is [US:8GTMM00BNEW7110] indicates the REN would be 0.0.

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