



# S800 Countertop Payment Terminal

- Contactless, Chip, Magstripe
- Visa & MasterCard NFC
- 3G, GPRS, WiFi, LAN, PSTN
- Large Colour Display
- PCI PTS 4.x, SRED
- High Speed Printer
- Linux OS

PAX's S800 is the world's most innovative countertop payment terminal powered by a secure operating platform. This supports rapid development of customized and secure software applications that give new meaning to the concept of payment and value-added services.

The S800 comes in a compact and stylish form factor, equipped with large colour screen, wide choice of connectivity options and built-in contactless capability. The S800 packs a 32-bit ARM11 processor and massive amounts of memory to deliver exceptional performance.

*Your Payment Partner of Choice*



# S800 Countertop Payment Terminal

## Features & Benefits



### High Reliability & Exceptional Stability

- Sleek compact design
- Built-in contactless reader
- Fast thermal printer (30 lps)
- Multiple peripheral ports
- Advanced DDR technology
- 400MHz 32-bit ARM11 processor
- GPRS / Ethernet / WiFi / PSTN / 3G ( WCDMA)

### Unprecedented Security

- PCI PTS 4.x certified, SRED
- Supports HASH function
- Supports RSA, AES, 3DES
- Supports DUKPT, MK/SK, FIXED KEY
- Secure key embedded area

### Open & Flexible Operating System

- Secure & flexible platform
- Easy software application development
- User-friendly interface with powerful GUI
- Multi-tasking OS maintains application integrity
- Plug-and-Play to extend functionality on-site

### Multimedia Performance

- Loudspeaker
- Large colour screen display
- Supports images

## Specifications

### Processor

32-bit ARM11

### Memory

192MB standard (128MB Flash, 64MB DDR)  
Micro SD (TF card) up to 32GB

### Display

2.8 inch 320 x 240 pixels TFT colour LCD

### Keypad

10 numeric / letter keys, 7 function keys  
Back-lighting

### Printer

Thermal printer, Speed: 30 lines per second  
or faster depending on font size  
Paper roll width / diameter: 58mm / 50mm

### Card Slots

3 SAMs  
or 2SAMs, 1 SIM  
or 1 SAM, Dual SIM

### Magnetic Card Reader

Track 1/2/3, bi-directional

### Smart Card Reader

EMV L1 & L2

### Contactless Card Reader

MasterCard Contactless & Visa payWave  
American Express ExpressPay  
Discover DPAS  
ISO/IEC 14443 Type A/B  
Mifare®, Felica, NFC

### Audio

Speaker, 90dB

### Communication

Modem: Sync. (HDLC up to 9600bps);  
Async. (V.92, up to 56Kbps)  
Ethernet (optional)  
WiFi (optional)  
GPRS/ 3G (WCDMA) (optional)

### Peripheral Ports

1 x RS232, 1 x RS232 / Ethernet  
1 x PINpad, 1 x Line, 2 x Mini USB

### Security

DUKPT, Master/Session, 3DES,  
ANSI/ISO9564 format 0, 1,3  
PIN ciphered key algorithm  
ANSI X 9.9/X9.19 MAC algorithm

### Environmental

0°C to 50°C (32°F to 122°F) operating temperature  
10% to 93% relative humidity, non-condensing  
-20°C to 70°C (-4°F to 158°F) storage temperature

### Voltage

Input: 100 ~ 240VAC, 50Hz/60Hz, 1A  
Output: 9VDC, 1A

### Physical

Length: 203mm  
Width: 86mm  
Height: 70mm

### Weight

454g

### Certifications

PCI PTS 4.x, SRED  
EMV Contact L1 & L2  
EMV Contactless L1  
Visa payWave  
MasterCard Contactless  
AMEX Expresspay  
JCB J/Speedy  
MasterCard TQM

[www.pax.com.cn](http://www.pax.com.cn)

This document is provided to you for informational purposes only. All features and specifications are subject to change without notice.  
PAX are either trademarks or registered trademarks of PAX Technology Limited in China and/or other countries.  
All other trademarks or brand names are the properties of their respective holders. Copyright 2016, PAX Technology Limited, All Rights Reserved.

  
**PAX**  
Your Payment Partner of Choice