

# UnitedPayments

PAX S800



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## S800 Countertop Payment Terminal

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

S800 is the world's most innovative counter-top 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 contact-less capability. The S800 packs a 32-bit ARM11 processor and massive amounts of memory to deliver exceptional performance.



## 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 / PSTN / 3G ( WCDMA)

### Unprecedented Security

- PCI PTS 3.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 HD images and video

## 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);  
Asnyc. (V.92, up to 56Kbps)  
Ethernet (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 3.x, SRED  
EMV Contact L1 & L2  
EMV Contactless L1  
Visa payWave  
MasterCard Contactless  
AMEX Expresspay  
JCB J/Speedy  
MasterCard TQM