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);
            Asnyc. (V.92, up to 56Kbps)
Ethernet
WiFi (optional)
GPRS / 3G (WCDMA) (optional)

Peripheral Ports
1 x RS232, 1 x 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℃ to 50℃ (32°F to 122°F) operating temperature
10% to 93% relative humidity, non-condensing
-20℃ to 70℃ (-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

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