

# S800

## Countertop Payment Terminal

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

The S800 comes in a compact and stylish form factor, equipped with a large colour screen and loudspeaker. Combining a wide choice of connectivity options, the S800 features inbuilt NFC capability to accept mobile and contactless transactions. With a 32-bit ARM11 processor and massive amount of memory via Micro SD, the S800 supports exceptional multimedia performance such as video advertising.

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





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### SPECIFICATIONS

## 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 and 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

<b>Processor</b>	32-bit ARM11
<b>Memory</b>	192MB standard (128MB Flash, 64MB DDR) Micro SD (TF card) up to 32GB
<b>Display</b>	2.8 inch 320 × 240 pixel TFT colour LCD
<b>Magnetic Card reader</b>	Track 1/2/3, bi-directional
<b>Smart Card Reader</b>	EMV L1 & L2
<b>Card Slots</b>	3 SAMs or 2SAMs, 1 SIM or 1 SAM, Dual SIM
<b>Contactless Card Reader</b>	MasterCard Contactless & Visa payWave American Express ExpressPay Discover DPAS ISO/IEC 14443 Type A/B Mifare®, Felica, NFC
<b>Keypad</b>	10 numeric/ letter keys, 7 function keys Back-lighting
<b>Printer</b>	Thermal printer, Speed: 30 lines per second or faster depending on font size Paper roll width/diameter: 58mm/50mm
<b>Audio</b>	Speaker, 90dB
<b>Communication</b>	Modem: Sync. (HDLC up to 9600bps); Async. (V.92, up to 56Kbps) Ethernet (optional) GPRS/ 3G (WCDMA) (optional)
<b>Peripheral Ports</b>	1 x RS232, 1 x RS232 / Ethernet 1 x PINpad, 1 x Line, 2 x Mini USB
<b>Security</b>	DUKPT, Master/Session, 3DES, ANSI/ISO9564 format 0, 1,3 PIN ciphered key algorithm ANSI X 9.9/X9.19 MAC algorithm
<b>Environmental</b>	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
<b>Voltage</b>	Input: 100~240VAC, 50Hz/60Hz, 1A Output: 9VDC, 1A
<b>Physical</b>	Length: 203mm Width: 86mm Height: 70mm
<b>Weight</b>	454g
<b>Certifications</b>	PCI PTS 3.x, SRED, EMV Contact L1 & L2 EMV Contactless L1, Visa payWave MasterCard Contactless, AMEX Expresspay JCB J/Speedy, MasterCard TQM