



# S900 Mobile Payment Terminal

**PAX's S900** is the world's most innovative mobile payment terminal powered by a secure and flexible operating platform, featuring extended life battery, state of the art color touch screen and GPRS or 3G connectivity. It is the ideal solution for high-end retail and hospitality environments.

The S900 offers built-in NFC capability to accept mobile and contactless transactions, a powerful 32-bit ARM11 processor and massive amounts of memory via Micro SD to enable exceptional processing and multimedia performance.

The POS operating system of S900 supports rapid development of customized and secure software applications that give new meaning to the concept of payment and other value-added services.

# S900 Mobile Payment Terminal

## FEATURES & BENEFITS

### Unprecedented security

- PCI PTS 3.x approved
- Secure embedded area for keys, self-destruct mechanism if attacked
- Supports RSA, AES, DES, 3DES
- Supports HASH function
- Supports DUKPT, MK/SK, FIXED KEY

### Exceptional stability and reliability

- 400MHz 32-bit ARM11 processor
- Multiple connectivity options: GPRS / WCDMA
- Built-in contactless / NFC
- Advanced DDR technology
- Sleek compact design with concealed thermal printer
- High capacity Li-ion rechargeable battery
- Supports e-Signature functionality
- Microsoft WHQL certified, fully compatible with Windows system

### Multimedia performance

- Loudspeaker
- Large color touch screen display
- Supports HD images and video

### Open & flexible operating system

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



## SPECIFICATIONS

### Processor

32-bit ARM11

### Memory

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

### Display

3.5 inch 240 x 320 pixel TFT color LCD  
Touch screen

### Keypad

10 numeric / letter keys, 8 function keys  
Back-lighting

### Printer

Fast thermal printer (18 lps)  
or faster depending on font size  
Paper roll width / diameter: 58mm / 38mm

### Card Slots

2 SAMs, 1 SIM

### Magnetic Card Reader

Track 1 / 2 / 3, bi-directional

### Smart Card Reader

EMV L1 & L2 certified

### Contactless Card Reader

13.56MHz, ISO / IEC 14443 Type A/B,  
Mifare®, Felica, NFC

### Barcode Reader (optional)

1D / 2D barcode scanner

### Audio

Speaker, 90dB

### Communication

GPRS / 3G (WCDMA)

### Peripheral Ports

1 x Mini USB, 1 x RS232  
1 x power charge

### Security

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

### Battery

Li-ion batteries 1850mAh, 7.4V

### Environmental

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

### Voltage

Input: 100 ~ 240VAC, 50Hz / 60Hz, 1.0A  
Output: 9VDC, 2.5A

### Physical

Length: 175mm  
Width: 82mm  
Height: 63mm

### Weight

458g with battery

### Certifications

PCI PTS 3.x  
EMV L1 & L2  
EMV Contactless L1

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