



# S90 Mobile Payment Terminal

**PAX's S90** mobile POS terminal has been designed to offer superior wireless performance, embedded in a ruggedized yet stylish form factor. With a large memory and high capacity Li-ion rechargeable battery, the S90 is one of the most popular mobile terminals with merchants today.

The S90 comes with PCI PTS 3.x certification, optional built-in contactless, and delivers secure transactions using an ARM11 processor to support DUKPT, Master/Session and 3DES.

# S90 Mobile Payment Terminal

## FEATURES & BENEFITS



- PCI PTS 3.x approved
- High speed ARM 11 processor
- Large memory capacity
- EMV, Magstrip and Contactless / NFC
- Optional 1D barcode scanner
- USB connectivity
- Large capacity battery
- GPRS, CDMA, 3G

## SPECIFICATIONS

### Processor

32-bit ARM11

### Memory

192MB (128MB Flash, 64MB DDR)

### Display

128 x 64 pixel LCD, White backlight

### Keypad

10 numeric / letter keys, 8 function keys  
4 ATM keys, 1 Power ON / OFF key

### Printer

Thermal printer, speed: 18 lines per second  
Paper roll width / diameter: 58mm / 40mm

### Magnetic Card Reader

Track 1 / 2 / 3, bi-directional

### Smart Card Reader

EMV L1 & L2 certified

### Contactless card Reader (optional)

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

### Card Slots

2 SAMs  
1 SIM

### Barcode Reader (optional)

1D barcode scanner

### Communication

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

### Peripheral Ports

1 x RS232, 1x Mini USB (OTG)  
1 x Line (optional), 1 x power charge

### Security

PCI PTS 3.x approved  
DUKPT, Master / Session, 3DES  
ANSI / ISO9564 format 0, 1, 3  
PIN ciphered key algorithm  
ANSI X9.9 / X9.19 MAC algorithm

### 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, 1A

### Battery

Li-ion battery 1800mAh, 7.4V

### Physical

Length: 199mm  
Width: 87mm  
Height: 61.5mm

### Weight

504g with battery

### Accessories (optional)

Holder  
Charging Dock  
Car Charger

### Certifications

PCI PTS 3.x  
EMV L1 & L2  
EMV Contactless L1  
MasterCard PayPass  
Visa payWave  
American Express ExpressPay  
Discover DPAS

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