



# 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 multiple communication options such as single SIM or dual SIM GPRS, CDMA, WiFi and 3G, as well as 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 inbuilt contactless, PCI PTS 3.x certification and delivers secure transactions using an ARM11 processor to support DUKPT, Master/Session, DES and 3DES.

# S90 Mobile Payment Terminal



## FEATURES & BENEFITS



- High speed ARM 11 processor
- Large memory capacity
- Optional built-in contactless
  - MasterCard PayPass
  - Visa payWave
- Optional 1D barcode scanner
- USB & 3G connectivity
- Large capacity battery
- GPRS (also dual-SIM), CDMA, 3G

## SPECIFICATIONS

### Processor

32-bit ARM11

### Memory

192MB (128MB Flash, 64MB DDR)

### Display

128 x 64 pixel LCD

### 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 / 38mm

### Magnetic Card Reader

Track 1 / 2 / 3, bi-directional

### Smart Card Reader

EMV L1 & L2 certified

### Contactless card Reader (optional)

MasterCard PayPass & Visa payWave  
13.56MHz, 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)  
Modem (optional):  
Sync. (HDLC up to 9600bps)  
Async. (V.92, up to 56Kbps)

### Peripheral Ports

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

### Security

PCI PTS 3.x approved  
DUKPT, Master / Session, DES, 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: 9.5VDC, 4A

### Battery

Li-ion battery 1800mAh, 7.4V

### Physical

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

### Weight

504g with battery

### Accessories (optional)

Leather Casing  
Charging Dock  
Car Jack Charger

### Certifications

PCI PTS 3.x  
EMV L1 & L2  
MasterCard PayPass  
Visa payWave  
EMV Contactless L1

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