



# SP20 V4 Contactless PINpad

- **Large Contactless Landing Pad**
- **Integrated Privacy Shield**
- **Customer Facing Display**
- **PCI PTS 4.x SRED**
- **Built-in Speaker**
- **Programmable**

PAX's SP20 V4 is a sleek compact NFC enabled PINpad for merchants to connect to a wide range of POS terminal models via USB or RS232, thus providing customers with a more convenient payment experience. The SP20 V4 enables faster customer throughput thanks to the easily identifiable contactless landing pad and enclosed privacy shield.

The SP20 V4 processes all major card association contactless payments securely and with lightning speed, all thanks to the latest PCI 4.x SRED certifications and state of the art embedded processor and memory components.

*Your Payment Partner of Choice*



# SP20 V4 Contactless PINpad

## Features & Benefits



### Stability & Reliability

- Contactless and PIN entry
- High-speed secure CPU, 120MHz

### Exceptional Security

- PCI PTS 4.x SRED
- Secure key embedded area
- Supports RSA, AES, 3DES
- Supports HASH function

### Flexible Expansibility

- RS232 & USB connection
- Optional 5~12V power supply
- Programmable

## Specifications

### Processor

32 bit CPU, 120MHz

### Memory

1.128MB standard (1MB Flash, 128KB RAM)  
External Storage: 4MB

### Display

122 x 32 pixels LCD

### Keypad

10 numeric keys, 6 function keys  
Back-lighting

### Contactless Card Reader

MasterCard Contactless & Visa payWave  
UPTS2.0, qPBOC  
13.56MHz, ISO/IEC 14443 Type A/B  
Mifare, Felica, NFC

### Audio

Built-in speaker

### Peripheral Ports

1 x RS232 (RJ11)  
1 x Micro USB

### Security

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

### Voltage

Output: 5VDC, 0.5A  
Optional 5~12V power supply

### Physical

Length: 156mm  
Width: 79mm  
Height: 87mm

### Weight

229g

### Certifications

PCI PTS 4.x SRED  
EMV Contactless L1  
MasterCard Contactless  
Visa payWave  
UPTS2.0  
qPBOC