

PAYMENTS



Your Payment Partner of Choice

## S500 - S500-EXT COUNTERTOP PAYMENT TERMINAL

PAX's S500 is an advanced countertop payment terminal, featuring a 2.8-inch color touch screen with Signature Capture functionality that offers an interactive user interface. The S500 is powered by a 32-bit ARM11 CPU and large memory, offering superior performance for faster transaction processing.

With the latest PCI PTS 4.x approval, the S500 offers the latest and most reliable security protection for both consumer and merchant, including 3DES encryption, DUKPT key management and Master/Session.

- Contactless/NFC, EMV Chip
- Magstripe
- Signature Capture
- High speed printer
- PCI PTS 4.x, SRED



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# S500 - S500-EXT COUNTERTOP PAYMENT TERMINAL



## SPECIFICATIONS

### Processor

32-bit ARM11

### Memory

192MB (128MB Flash, 64MB DDR)

### Display

2.8 inch 320 x 240 pixels color touchscreen LCD  
Touch screen

### Keypad

10 numeric / letter keys, 8 function keys  
1 power ON/OFF key

### Printer

Thermal printer, 30lps  
2" / 4" Paper Roll

### Magnetic Card Reader

Track 1/2/3, bi-directional

### Smart Card Reader

EMV L1 & L2 certified

### Contactless Card Reader

ISO/IEC 14443 Type A/B -  
Mifare, Felica, NFC

### Card Slots

3 SAMs

### Communication

Modem: Sync. (HDLC up to 9600bps)  
Async. (V.92, up to 56Kbps)  
Ethernet  
WiFi

### Peripheral Ports

1 x Mini USB, 1 x RS232  
1 x Ethernet, 1 x PINpad  
1 x Line, 1 x TEL

### Security

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

Input: 100~240VAC,  
50Hz/60Hz, 0.3A  
Output: 9VDC, 1.0A

### Physical

Length: 8.47 inches  
Width: 4.18 inches  
Height: 2.80 inches

### Weight

16.05 ounces

### Certifications

PCI PTS 4.x, SRED  
EMV Contact L1 & L2  
EMV Contactless L1  
Visa payWave  
MasterCard Contactless  
AMEX Expresspay  
Discover D-PAS  
JCB J/Speedy  
MasterCard TQM



## FEATURES & BENEFITS

### Exceptional Stability and Reliability

- 400MHz 32-bit ARM11 processor
- Modem / Ethernet / WiFi
- Built-in contactless NFC
- High speed thermal printer
- Supports Signature Capture

### Multimedia Performance

- Large color touch screen display
- Supports images

### Unprecedented Security

- PCI PTS 4.x approved, SRED
- Supports DUKPT, MK/SK, FIXED KEY
- Supports HASH function
- Supports RSA, AES, 3DES

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