

PP790SE

High Performance and Secure Countertop PINpad Reader

The PP790SE is a versatile payment PIN Pad that conforms to PCI, Interac, EMV standards and meets the highest levels of security by encrypting every transaction using Triple Data Encrypted Standard (TDES), Advanced Encryption Standard (AES), Rivest, Shamir, Aldeman (RSA) Standard, Secure Hash Algorithm-1 (SHA-1) and Derived Unique Key Per Transaction (DUKPT) key management and Message Authentication Code (MAC).



Features and Benefits

- Versatile Payment PIN Pad
- PCI, EMV, Interac approved for secure transactions
- User friendly ergonomics
- Rugged and durable
- Ideal for retail and financial applications



Retail



Banking



Hospitality



Petroleum

PP790SE

Versatile Countertop PINpad Payment Device

Specifications

MECHANICAL

| | |
|--------------------|--|
| Housing: | PC+ABS UL 94V-0 |
| Dimensions: | W 3.9 in. (10 cm) x L 6.6 in. (16.8 cm) x H 1.9 in. (4.8 cm) |
| Weight: | Approx .84 lb. (380g) |
| Display: | 4x16 characters or 128x64 graphics LCD, backlight |
| Keypad: | 16 keys; 3 programmable function keys included |

ENVIRONMENTAL

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|-------------------------------|-------------------------------|
| Operating Temperature: | 32°F to 104°F (0°C to 40°C) |
| Storage Temperature: | -4°F to 149°F (-18°C to 65°C) |
| Operating Humidity: | 15% to 90% |
| Storage Humidity: | 10% to 90% |

AGENCY APPROVAL

FCC/CE Class B, European Union RoHS Certified

INTERFACES

Communication: RS232 (1,200-115,200 bps) or USB 2.0

POWER REQUIREMENTS

Power Supply: 5v DC, 200mA (Typical)

PERFORMANCE

Mag. Card operating speed: 4 IPS to 40 IPS
Smart Card: Supports 3V and 5V card types

ELECTRICAL

| | |
|------------------------------|--|
| Processor: | 32-bit processor with MMU (Memory Management Unit) |
| Memory: | 2 MB Flash; 256 KB SRAM |
| Magnetic Card Reader: | ISO 7811 and AAMVA; triple track reading |
| Smart Card Reader: | ISO 7816, EMV card / T=0 & T=1 |
| SAM Module: | 0 or 3 SAM modules |

SECURITY

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|------------------------------|---|
| PCI: | PCI 2.1 approved for on-line and off-line |
| EMV: | 2000 Level 1 and Level 2 certified |
| Interac: | TSTR 2.0 |
| Encryption Methods: | DES, TDES, RSA, AES, MAC and SHA-1 |
| Key Management: | Master/Session and DUKPT (ANSI X9.24) |
| MAC Generation: | ANSI X9.19 |
| Encrypting PIN Block: | ANSI X9.8 format |

SOFTWARE COMPATIBILITY

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|----------------------------------|---|
| Online PIN Entry Request: | Compatible with PP690 with optional input timeout setting |
| Display String: | 4 lines (maximum 64 characters) |
| Smart Card Direct Access: | Yes |
| EMV Lv2 Transaction: | Yes |
| Custom Application: | Yes with 6 language support |

SOFTWARE COMPATIBILITY

| | |
|------------------------|--|
| Cables: | RS232, USB (1.5 m or 3 m lengths) |
| Power Supply: | 110-240V |
| Privacy Shield: | Optional field installed |
| Cables: | RS232, USB (1.5 m or 3 m lengths) should be (1.5m or 3m) |

