

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

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

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

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)



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