

# SmartPIN™

## PCI Certified Modular PIN Entry Device

### Encrypted PIN Entry for POS

SmartPIN is a PIN Entry Device (PED) designed for outdoor or indoor unattended POS operations where encrypted PIN entry is required. The products can be used for both Online and Offline PIN verification operations. SmartPIN products are used in POS machines for fuel dispensing, kiosks, vending, and other devices accepting credit and debit payments. SmartPIN is available as a PED only or as a PED with integral backlit LCD display & 3 programmable application/function keys.

### A Secure and Rugged PED

SmartPIN is PCI compliant and certified for the highest degree of PIN security. DES & Triple DES are used for encryption and DUKPT is used for key management. The Smart PIN design is robust, withstands abusive use, and is vandal resistant. The keys and display are waterproof for splashed, spilled, & direct liquid spray. Along with the molded plastic body with flush mounting stainless steel cover, the keys are either plastic or stainless steel with engraved keys to withstand harsh use & environment. A battery maintains the cryptographic keys during power outages, and storage.

### Secure Communication and Operation

The 16 PIN pad keys are arranged in telephone layout, ADA compliant, and have an audio output feedback. The backlit LCD display (optional) has 2 lines x 16 characters for information text and visual indication of the PIN entry process. PIN entry is encrypted and securely transmitted over the RS232 or USB 2.0 communication interface.

### Features and Benefits

- Payment Card Industry (PCI) Certified, Rugged, & Vandal Resistant
- Meets ANSI and ISO standards for a PIN Entry Device (PED)
- Vandal resistant design for outdoor, indoor & unattended applications
- Supports DES and TDES encryption algorithms for PIN encryption
- Provides DUKPT Key Management operations
- Interfaces: RS232 or USB
- Large, easy to see keys, with positive tactile feel, & audio feedback
- Provides a two lines by 16 character backlit LCD display
- 100,000 POH MTBF; PIN pad life greater than 1,500,000 operations
- 1 year warranty from date of invoice



Indoor Version with plastic keys

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# SmartPIN™ Specifications IDPA-70XXXX

## Electrical

**Power Requirements:** 5VDC +/- 10%, 120mA Max.(with LCD), 200mA Max.(w/o LCD)

**Interfaces:** RS232C or USB

## Environmental

**Operating Temperature:** Indoor 41°F to 104°F(5°C to 40°C) Outdoor 14°F to 131°F (-10°C to 55°C)

**Storage Temperature:** Indoor 32°F to 140°F(0°C to 60°C)

**Humidity:** 8 to 95 % ,non-condensing with wet bulb at 73.4°F (23°C), dry storage

**Encryption:** DES and TDES

**Key Management:** DUKPT

## Reliability

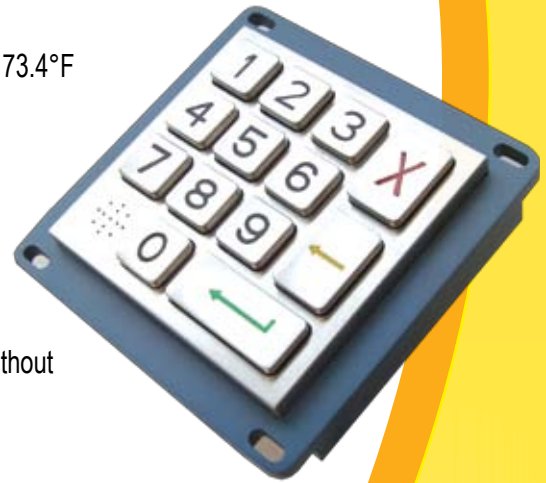
**Operating Life:** Minimum 1,500,000 operations

**MTBF:** 100,000 power on hours calculated

**ESD Immunity:** Minimum 8KV direct contact & 12KV air discharge without resetting

**Approvals:** FCC part 15 Class B CISPR A B

**Warrenty:** One year, parts and labor



## Mechanical

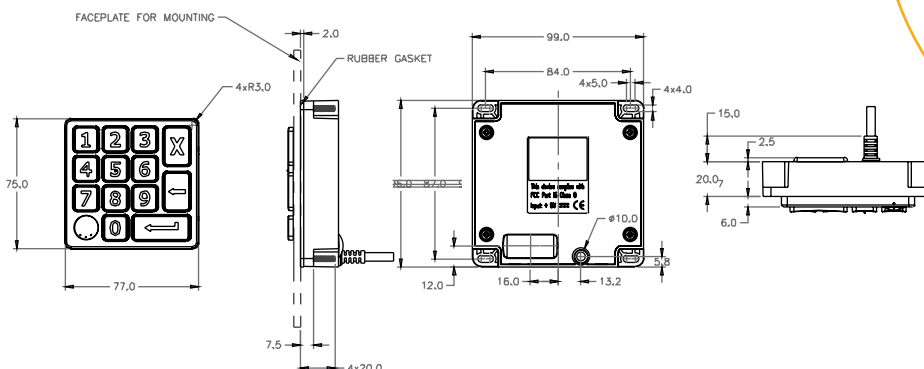
**Keys:** Numeric (10), Control (3),  
Function (3 for display version, None for non- display version)  
Metal

**Outdoor:**

**Indoor:** Hard rubber

**Display:** 2 x 16 Character back lighted LCD

**Footprint:**



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