

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. Combining the Smart PIN with an ID TECH SecureReader™ offers PCI approved "offline" PIN verification with smart cards.

Key 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
- Communication interface is RS232 or USB 2.0
- 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



IDTECH®
Value through Innovation

2006 FROST & SULLIVAN
Smart Card
Emerging Company of the Year Award

IDPA-70XXX SmartPIN™ Specifications

Power Requirements

RS232C interface - A/C power adapter, 5VDC +/- 10%
 USB interface – Hub supplied power is less than 250mA

Encryption & Key Management

Employs DES and TDES encryption algorithms with DUKPT key management

Operating Environment

Operating:	Indoor:	5°C to 40°C	(41°F to 104°F)
	Outdoor:	-10°C to 55°C	(14°F to 131°F)
Non-operating:	Indoor:	0°C to 60°C	(32°F to 140°F)
	Outdoor:	-20°C to 70°C	(-4°F to 158°F)
Shipping:		-20°C to 70°C	(-4°F to 158°F)

Relative Operating Humidity Range (non-condensing) 8 to 95 % with Wet bulb at 23°C (73.4°F)

Electromagnetic Interference (EMI): FCC part 15 Class B CISPRA B

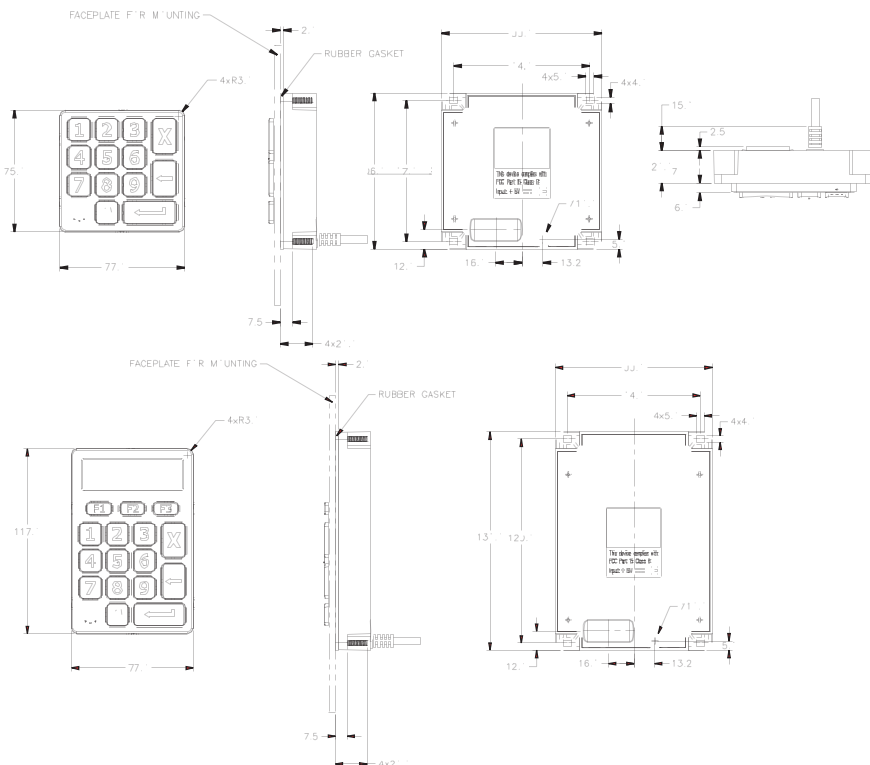


Reliability

ESD: Minimum 8KV direct contact & 12KV air discharge without resetting.
 Keypad: Minimum 1,500,000 operations
 MTBF: 100,000 power on hours calculated

Mechanical

Keys: Numeric (10), Control (3), Function (3 for display version, None for no display version)
 Outdoor: Metal Indoor: Hard rubber
 Display: 2 x 16 Character back lighted LCD
 Interface: RS232 or USB-CDC



IDTECH®
 Value through Innovation

Corporate Headquarters:

10721 Walker Street Cypress, California 90630
 (714) 761-6368 Fax: (714) 761-8880
 sales@idtechproducts.com

International Sales Office for Canada & South America:

+450 465 5261 (Canada) roberttop@idtechproducts.com

European Sales Office:

+33 5 65 50 28 59 (France) iann@idtechproducts.com

ISO 9001 : 2000 Certified