

SmartPIN™ K100

PCI Certified Modular PIN Entry Device

Encrypted PIN Entry for POS

SmartPIN K100 is a PCI 2.1 certified PED (PIN Entry Device) designed for outdoor or indoor unattended POS operations where encrypted PIN entry is required.

Applications

SmartPIN K100 can be used in POS terminals for fuel dispensing, kiosks, vending, and other POS systems that accept credit and debit payments.

A Secure and Rugged PED

SmartPIN K100 is PCI compliant and certified for the highest degree of PIN security. AES & Triple DES are used for encryption. Master/Session & DUKPT are used for key management. SmartPIN K100 is robust and vandal resistant. The keys are waterproof for splashed, spilled, & direct liquid spray. The molded plastic body and stainless steel cover, along with metal engraved keys, allow the PIN pad to be used in unattended environments. The built-in battery maintains the cryptographic keys during power outages and storage.

Secure Communication and Operation

The 16-key PIN pad is ADA compliant and it offers tactile and audio feedback with each keystroke. PIN entry is encrypted and securely transmitted over the RS232 or USB 2.0 communication interface.

Features and Benefits:

- Payment Card Industry (PCI 2.1) Certified
- Meets ADA, ANSI and ISO standards for a PIN Entry Device (PED)
- 4 screw holes and built-in gasket for watertight mounting
- Waterproof (IP65) and NEMA 4 rated keypad
- Removal detection and tamper resistant
- Secure scheme for authorized activation/installation
- Encryption algorithms: AES, DES and TDES for PIN encryption
- Clear and encrypted text input
- Key Management: Master/Session, DUKPT
- Rugged, Vandal Resistant for outdoor, indoor & unattended applications



IDTECH®
Value through Innovation

SmartPIN™ K100 Specifications IDPB-80X000

Electrical

Power Requirements: 5VDC +/- 10%, 150mA Max.
Interfaces: RS232 or USB

Environmental

Operating Temperature: -13°F to 158°F (-25°C to 70°C)
Storage Temperature: -22°F to 176°F (-30°C to 80°C)
Humidity: Maximum 95% non-condensing

Reliability

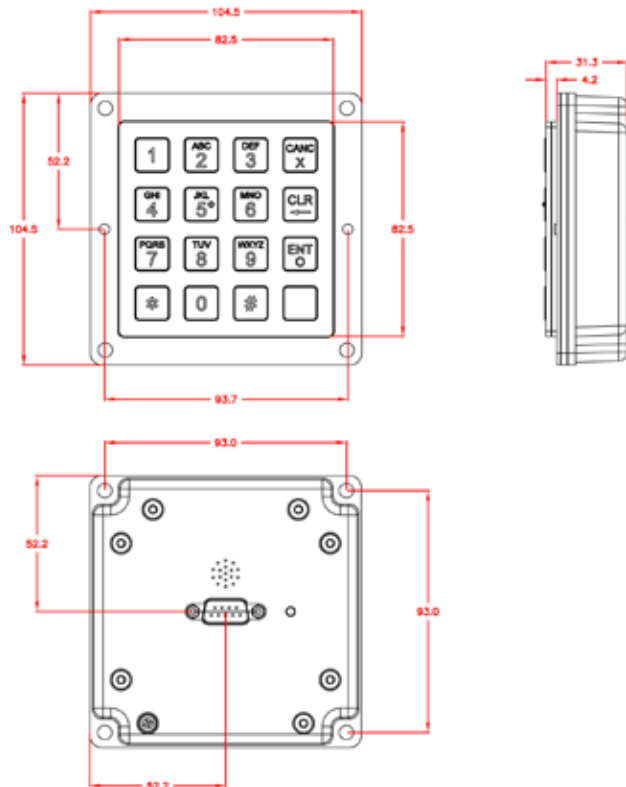
Operating Life: Minimum 2,000,000 operations
MTBF: 120,000 power-on hours calculated
ESD Immunity: Minimum 4KV direct contact & 8KV air discharge without resetting
Approvals: FCC and CE
Warranty: One year, parts and labor



Mechanical

Dimensions(L)x(W)x(H): 4.11 inches (104.5 mm) x 4.11 inches (104.5 mm) x 1.23 inches (31.3 mm)
Weight: 13.74 oz. (0.86 lbs)
Keys: Numeric (12), Operation (4)

Foot Print:



IDTECH®

Value through Innovation

Corporate Headquarters:

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

International Sales Office

Canada & South America:

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

European Sales Offices:

+49(0) 8851 6159900 (Germany)
emea@idtechproducts.com

ISO 9001 Certified