

## BENEFITS AT A GLANCE

- Sleek, stylish design for trouble-free customer operation
- PCI Approved with a range of security protections
- 32-bit processing for fast EMV smart card transactions — providing a simple upgrade path for terminals and electronic cash registers
- Securely supports multiple smart card-enabled applications



## Programmable PIN Pad That Adapts to Any Environment

VeriFone's SC 5000 PIN pad packs peak performance and versatility into a sleek device that fits comfortably in the palm of your hand. This programmable PIN pad has the flexibility to support EMV smart card transactions, debit, electronic benefits transfer (EBT), and stored value transactions. The SC 5000 is PCI approved and offers a range of security protections including tamper-detection circuitry, VeriShield file authentication, and sophisticated encryption. And, VeriShield allows the development of virtually any key-management scheme.

The RoHS-compliant SC 5000 features a user-friendly design with large keys that minimize user input errors. Its easy-to-read display is capable of handling a variety of images, including merchant logos and graphics-based character sets.

In addition, with an EMV Level 2 Type Approved application available, the SC 5000 smart card PIN pad provides the fastest, easiest way to upgrade terminals or electronic cash registers to support global smart card solutions based on EMV specifications.

# SC 5000

# SC 5000



## SPECIFICATIONS

### Processor

32-bit microprocessor

### Memory Options

3 MB (2 MB Flash and 1 MB SRAM)  
6 MB (4 MB Flash and 2 MB SRAM)

### Display

2 lines x 16 characters, up to 4 lines x 20 characters, 122 x 32 pixel graphical LCD display, with optional backlighting

### Magnetic Card Reader

ISO 7813 choice of dual-track (1, 2) or triple-track (1, 2, 3), bi-directional

### Smart Card Reader (Optional)

ISO 7816, 1.8V, 3V, 5V or synchronous and asynchronous cards; EMV Level 1 and 2 Type Approved

### SAM Card Reader (Optional)

Choice of 2 or 4 Security Access Module (SAM) readers

### Keypad

16 keys (with 3 programmable function keys and 3 command keys);  
PCI Approved

### Serial Interface

Asynchronous serial (7/8 data bits, even/odd/no parity). Baud rate of 1,200-115,200. Compatible with RS-232 signal levels

### Security

Cryptographic algorithms include: DES, 3DES, RSA, and AES. Key-management schemes include Master/Session, DUKPT and virtually any other key-management scheme through the use of VeriShield Security Scripts. All cryptography and key-management functions performed by integrated security chip. Communication between the keyboard, display, and security module is fully safeguarded

### Physical

Height: 155 mm (6.1 in.); width: 95 mm (3.7 in.); depth: 50 mm (2.0 in.); weight: 360 g

### Environmental

0° to 40° C (32° to 104° F) operating temperature; 15% to 90% operating humidity, non-condensing; -18° to 66° C (0° to 151° F) storage temperature

### Power

7-20V DC; 3.7W (maximum consumption with optional backlight on)

## Features & Benefits

### Fast performance in an ergonomic PIN pad

- 32-bit processing and ample memory deliver exceptional performance
- Securely supports multiple smart card-enabled payment and value-added applications
- Fast transactions even with complex EMV cryptography requirements — including Dynamic Data Authentication
- Optional EMV Level 2 Type Approved application provides an ideal way to upgrade terminals and ECRs to handle global smart card requirements that meet EMV specifications
- Optional SAM card reader offers a choice of 2 or 4 Security Access Module (SAM) slots enabling support for a broad range of smart card-based loyalty and electronic purse schemes

- Built-in magnetic stripe card reader offers a choice of dual-track (1, 2) or triple-track (1, 2, 3) functionality
- Backward compatibility for existing solutions is assured with PINpad 1000 and PINpad 2000 emulation

### Exceptional ease of use

- Highly readable display can handle multiple languages simultaneously for global applications, and accommodates a variety of graphics-based character sets including Japanese, Chinese, Arabic, and Cyrillic
- Backlit display is available as an option for improved readability in low-light environments such as restaurants and bars

### Critical security protection

- The SC 5000 incorporates tamper-detection circuitry to resist unauthorized intrusion, and provides a broad spectrum of software-based security features

- Integrated security module simultaneously supports sophisticated encryption (AES, DES, 3DES, RSA) and key-management schemes, including single and 3DES Master/Session, single and 3DES Derived Unique Key Per Transaction (DUKPT) and virtually any other key-management scheme through the use of VeriShield Security Scripts
- PCI Online and Offline Approved providing sophisticated file authentication, which prevents execution of unauthorized software on the PIN pad
- Optional privacy shield snaps easily into place preventing observation of PIN entry sequence
- Robust Software Developers Toolkit (SDTK) is available for streamlined application development and customized security solutions