



**PINpad 1000**

The PINpad 1000 provides **MAXIMUM FLEXIBILITY** for PIN-based transactions, supporting both Master/Session and DUKPT methods of **KEY MANAGEMENT**.

Key management is integral to the PIN (Personal Identification Number) encryption process. The PINpad 1000 is the ideal solution for debit, electronic benefits transfer (EBT) and other transactions requiring PIN entry. The PINpad 1000 supports both Master/Session and DUKPT (Derived Unique Key Per Transaction methods), so users needn't purchase new hardware if their key management requirements change.

Used worldwide, the Master/Session method uses master keys and working (session) keys. The DUKPT method automatically generates a new session key for each transaction and ensures POS debit and host synchronization across transactions.

In addition to providing the benefits of key management flexibility, the PINpad 1000 supports VeriFone PINpad 101 and 102 applications. The PINpad 1000 also supports MAC (Message Authentication Code). This technique protects the debit transaction data from accidental or fraudulent tampering during the transfer to its host.

### **Easy Operation**

The PINpad 1000 offers consumers many advantages. So compact it fits in the palm of the hand, it allows customers to enter their PIN in complete privacy. And its easy-to-read eight-character display lets them confirm the purchase amount.

### **Efficient Deployment**

For efficient deployment and cost savings, VeriFone's MKIXOR™ software can be used to inject the PINpad 1000 for either Master/Session or DUKPT key management. If both Master/Sessions and DUKPT keys have been injected, it's easy to securely change the PINpad 1000 on site from one methodology of key management to the other.



# PINpad 1000

## Features

- Provides maximum flexibility by supporting both Master/Session and DUKPT methods of key management
- Supports PIN input for debit, EBT, and other PIN-based transactions
- Meets ISO and ANSI standards for PIN encryption, key management and Message Authentication Code (MAC) ANSI X9.8, ANSI X9.24, ANSI X9.19 and ISO 9564-x, ISO 11568-x, ISO 13491-x
- Maintains the security of the encryption key
- Fits in the palm of the hand for easy and confidential data entry
- Includes an easy-to-read, 8-character, liquid-crystal display that shows up to 16 characters through automatic scrolling
- Features an easy-to-clean, sealed membrane keypad that is highly resistant to spills
- Takes up minimal counterspace
- Available with optional wall- or counter- mounting hardware
- Supports multiple languages
- Works with VeriFone terminals, other manufacturers' terminals, PCs and electronic cash register (ECR) systems

## Specifications

### Hardware

Display	8-character, liquid-crystal display
Keypad	12 keys; 3x4 sealed-membrane keypad

### Communications

Supports asynchronous 1200, 2400, 4800 and 9600 baud

### Physical

Height	1.25 in (32mm)
Width	2.81 in (71.5mm)
Depth	6.12 in (156 mm)
Shipping weight	0.8 lb (0.37kg)

### Environmental

Operating Temperature	0° to 40° C (32° to 104° F)
Operating Humidity	15% to 90%, non-condensing

### Power

Voltage	9 VDC
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