PINpad 1000

The PINpad 1000 provides maximum flexibility for

debit card transactions. By supporting both Master/Session

and DUKPT methods of key management, it provides

a smooth transition as debit requirements change.

Key management is integral to the PIN encryption process. The PINpad 1000 supports both Master/Session and DUKPT (Derived Unique Key Per Transaction), 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 working 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 its transfer to the host.

Easy Operation

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

Efficient Deployment

For efficient deployment and cost savings, you can use VeriFone's MKIXOR™ software to inject the PINpad 1000 for either Master/Session or DUKPT key management. If both key types have been injected, you can easily reset the PINpad 1000 on site when you switch from one methodology of key management to another.

VeriFone®

PINpad 1000

Features

- Provides maximum flexibility by supporting both Master/Session and DUKPT methods of key management

- Meets ISO and ANSI standards for PIN encryption, key management and Message Authentication Code (MAC)

- 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

- Uses an easy-to-clean, sealed membrane keypad that is impervious to spills

- Takes up minimal counterspace

- Available with optional wall- or counter-mounting hardware

- Compatible with many PIN pad applications for the OMNI,® TRANZ® and ZON® II XPe systems

- Supports multiple languages

- Works with other manufacturers' equipment, including PC and ECR systems

Specifications

Hardware

Display	8-character, liquid-crystal display
Keypad	12 keys; 3 x 4 sealed-membrane keypad

Communications

	Supports asynchronous 1200, 2400, 4800 and 9600 baud

Physical

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

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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