PINpad 2000

Supporting both Master/Session and DUKPT key management methods—one at a time or simultaneously—the PINpad 2000 provides comprehensive security for debit card transactions.

An integral part of the PIN encryption process, effective key management is essential to protecting the customer's PIN against intrusion or corruption. That's why VeriFone® designed the PINpad 2000 to take advantage of both Master/Session and DUKPT (Derived Unique Key Per Transaction) key management methods.

Used worldwide, the Master/Session method employs master keys and working "session" keys to ensure the integrity of debit card transactions. The DUKPT key management method adds an extra level of security by deriving a unique key for every debit transaction. This frees processors from maintaining extensive key records on each merchant, streamlining deployment and inventory management.

Because the PINpad 2000 supports both methods, users needn't purchase new hardware if their key management requirements change. The PINpad 2000 also supports MAC (Message Authentication Code), a technique that protects the debit transaction data from accidental or fraudulent tampering during its transfer to the host.

And the PINpad 2000 is compatible with VeriFone's PINpad 201 and 301 applications, saving the expense of application upgrades.

Easy Operation

The PINpad 2000 encourages debit card use. Consumers slide their own cards through its built-in magnetic stripe reader when making a purchase, so they feel more in control of the transaction.

They also feel more confident—the correct amount is clearly presented on the easy-to-read display, and audio and visual signs tell them when an entry is accepted. What's more, consumers take comfort in knowing that they're entering their PINs in complete confidentiality.

Efficient Deployment

For efficient deployment and cost savings, you can use VeriFone's MKIXOR™ software to inject the PINpad 2000 for Master/Session or DUKPT key management. If both key types have been injected, you can easily reset the PINpad 2000 on site when you switch from one method of key management to another.

VeriFone

PINpad 2000

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

- Comes with a built-in Track 2 magnetic stripe card reader

- Allows consumers to swipe their own cards to initiate debit transactions

- Includes an easy-to-read, 16-character, vacuum fluorescent display

- Compatible with VeriFone TRANZ® and OMNI® transaction systems

- Compatible with existing applications for the VeriFone PINpad 201 and PINpad 301

- Allows easy controller/host application development, offering compatibility with PC controllers, terminals and hosts through a standard RS-232 interface

- Provides control over text display and data entry through the terminal application

- Allows easy loading of the master key through VeriFone's MKIXOR PC-based software

- Takes up minimal counterspace with its small footprint

- Supports multiple languages

Specifications

Hardware

Display	16-character, vacuum fluorescent display
Card Reader	ABA Track 2 magnetic stripe (Track 1 available as an option)
Keypad	12-key telco keypad

Communications

	Supports selectable data rates of 1200–9600 baud

Physical

Height	1.5 in (38.1 mm)
Width	5.5 in (139.6 mm)
Depth	6.0 in (153.4 mm)
Shipping Weight	2.2 lb (1.0 kg)

Environmental

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

Power

Voltage	9 VDC