

# NURIT 202/252



A PIN PAD WITH A SMART CARD READER

## **SECURE PIN PADS**

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### DESCRIPTION

The standard NURIT 202 and smart card reader NURIT 252 are advanced, easy-to-use hand-held PIN Pads allowing for protected debit/credit and smart card transactions.

Lipman's new rugged and reliable PIN Pads accept personal identification numbers (PINs) while encrypting these numbers for security purposes. The PIN Pads thus serves as an 'electronic signature' in finalizing a particular retail transaction. PIN Pads NURIT 202 and 252 support the Derived Unique Key Per Transaction (DUKPT) and other recognized industry standards providing enhanced security and management levels.

As the retail world enters the 'electronic wallet' era, smart cards are now being used world-wide for payment at point-of-sale providing added protection against fraudulent usage. The Nurit 252 supports numerous smart card applications such as electronic purse, frequent shopper retailing, health and social care and entertainment and travel services.

User operation is facilitated by its simple-to-use keypad, and easy-to-follow one or two-line instructional prompts appearing on the unit's bright alphanumeric LCD display.

If you are looking for both an elegant and sophisticated PIN Pad at your business, either the NURIT 202 or NURIT 252 is surely the answer !

### FEATURES

- Accepts smart cards for all types of POS applications
- Includes an easy-to-read, 2-line/16 characters per line alphanumeric LCD display
- Operates as a secure PIN pad
- Complies with ISO encryption standards
- Card authentication using RSA algorithm
- Very small hand-held or table-top footprint
- Fully compatible with Lipman's and other manufacturer's POS terminals
- Supports asynchronous smart cards as well as synchronous memory cards
- Simple user-friendly operation

### SPECIFICATIONS

#### **Smart card acceptance interface:**

Conforms to ISO 7816-1,2,3

#### **Security**

- Software controlled DES and DUKPT key management
- EEPROM chip key storage

## Hardware

### Display:

2-line/16 characters per line alphanumeric LCD

### Keypad:

16 keys; reliable, ergonomically designed

### Memory:

8 Kbytes RAM; 64 Kbytes ROM and EEPROM for multiple key storage



## Host interface

### Connector:

4-pin RJ-11C for power and data communication

### Power:

6 to 14 volts DC at less than 30 mA

### Data interface:

Compatible with V.24/RS-232 signal levels;

Asynchronous serial (7/8 data bits, even/no parity), 1200 bps default, 300 to 19,200 bps selectable.

## Physical

Size: 2.4 x 7.15 x 17.38 cm (H x W x L)

Weight: 190 g

