

NURIT 202/252



SECURE PIN PADS

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 Pad 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 frequent shopper retailing, health and social care, entertainment and travel services, and private house or multi-purpose cards.

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!

For more information contact a Lipman representative nearest to you.



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FEATURES

- * NURIT 252 accepts smart cards for all types of point-of-sale applications
- * Includes an easy-to-read, 2-line/16 characters/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 point-of-sale (POS) terminals
- * Supports asynchronous smart cards as well as synchronous memory cards
- * PIN Pad supports Lipman's as well as other security key-entry software
- * Provides audio and visual key entry response
- * Simple user-friendly operation
- * Low cost



Typical POS NURIT 2070/PIN Pad Stand-Alone Operation

SPECIFICATIONS

HARDWARE

Display: 2-line/16 characters/line alphanumeric LCD
Keypad: 16 keys; highly reliable, ergonomically designed keypad
Memory: 8 Kbyte RAM; 64 Kbyte ROM and EEPROM for multiple key storage

HOST INTERFACE

Connector: 4-pin RJ-11C connector 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

SMART CARD ACCEPTANCE INTERFACE

Conforms to ISO 7816-1, 2, 3

SECURITY

Software controlled Data Encryption Standards (DES) and DUKPT key management;
EEPROM chip key storage

PHYSICAL

Height: 0.94 in. (2.4 cm)
Width: 2.81 in. (7.15 cm)
Length: 6.84 in. (17.38 cm)
Weight: 0.42 lb. (190 g)

ENVIRONMENTAL

Operating Temperature: 0° to 40° C (32° to 104° F)
Operating Humidity: 5% to 90%, non-condensing

