



Introducing... The Next Generation of Secure PIN Pads



As a pioneer in the development of secure payment terminals, Lipman is proud to introduce the **NURIT 292**. As a powerful, multi-functional unit, it responds to today's essential security requirements - making it the most technologically advanced PIN Pad for EMV and other Smart Card transactions.



Multi-App



Security

Comprehensive Security

The **NURIT 292** is designed for the high degree of security required for EMV, electronic purse, and other Smart Card applications as well as for other PIN transactions. The degree of security is selected according to specific customer needs.

Incorporating today's most advanced techniques, this **tamper-resistant**, **tamper-evident**, and **tamper-responsive** unit protects users from fraudulent intrusion and corruption. The PIN Pad can destroy all keys and other sensitive data immediately upon detecting tampering, making further use impossible.

The integrity of card transactions - as well as the downloading of keys - is assured through the use of multiple key management schemes, including Fixed, Master/Session and DUKPT (Derived Unique Key Per Transaction), with DES and Triple DES support.

The **NURIT 292** is designed to meet the highest international security standards, depending on each customer's requirements:

- MasterCard & Visa PED
- ISO & ANSI
- Processor-specific standards

Cost Effective

The unit's high level of security enables an economical migration to EMV in regions that are making the transition to Chip and PIN. The NURIT 292 is easily integrated with all NURIT POS, ECR and third party devices, and offers complete compatibility for applications running on all NURIT terminals.



Perfect for

- Boutiques
- Retail Shops
- Convenience Stores
- Department Stores
- Grocery Stores
- Kiosks
- Supermarkets
- Discount Outlets
- Cinemas & Theaters
- Restaurants & Coffee Shops



SPECIFICATIONS

User interface

- B&W LCD
- 128 x 64 pixel graphical display
- 52.6 mm/2.1" x 27 mm/1.1"
- 15 key ergonomic keypad
- Multi-language font support

Smart Card reader

- Front entry
- ISO 7816 contact
- Long life; 100k transactions
- EMV Level 1 approved

Processor and memory

- 32-bit ARM processor for fast cryptography
- 1 MB Flash memory (2 MB optional)
- 128 KB (512 KB optional) Secure RAM Key Storage
- One year battery backup minimum

Software

- Powerful and proven NURIT Operating System (NOS 7)
- Approved EMV Level 2 Kernel
- Same applications run on all Lipman terminals

Security Options

- Secure PIN entry and encryption
- Tamper-responsive key erasure
- Tamper evident
- RSA signature secured download
- Visa PED Online & Offline
- DUKPT, Master/Session Key, Fixed Key
- DES and Triple DES
- MAC generation
- Meets ANSI X3.92, X9.24, X9.8

Approvals

- Visa PED
- EMV Levels 1 and 2
- FCC part 15
- CE

Power input

- Via PIN Pad connector

Dimensions

- 39 mm/1.5" (H) x 81 mm/3.3" (W)
x 170 mm/6.7" (D)

Weight

- 230 g/0.5 lb

End-to-End Functionality

With the fully programmable NURIT 292 and Lipman's EMV Level 2 Kernel, full EMV applications can be completely implemented within the PIN Pad, simplifying EMV deployment for both POS & ECR environments.



With its integrated Smart Card reader, the **NURIT 292**:

- handles all major payments, including EMV debit & credit transactions
- supports a wide range of applications, including loyalty, customer identification, and electronic cash
- interfaces easily with POS terminals and electronic cash registers (ECRs)

Features

- Secure PIN Pad with optional security levels
- Tamper-resistant, tamper-responsive, tamper-evident
- Supports DES, Triple DES and RSA encryption
- Supports Fixed, Master/Session, DUKPT, Key Management
- Meets EMV Levels 1 & 2, FCC 15, CE and other approvals
- Complies with ISO and ANSI standards
- Enables simple, inexpensive migration to EMV
- Integrated Smart Card Reader
- Completely programmable
- NOS 7 Operating System with full program compatibility with NURIT terminals
- Convenient handheld design
- Easy-to-read graphical LCD display

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