



NURIT[®] 292

Secure PIN Pad



The perfect solution for:

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

The NURIT 292 is a Visa PED-approved, multifunction PIN pad that meets all essential security requirements for EMV and other Smart Card transactions.

This versatile and powerful programmable PIN pad supports remote download of multiple payment and vertical applications.

Its lightweight, ergonomic design and easy-to-read display make the NURIT 292 an extremely user-friendly and convenient PIN pad.

Lipman

TransAction Solutions[®]

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Secure PIN Pad

Highlights and Features

Comprehensive Security

The NURIT 292 is tamper-resistant, tamper-evident, and tamper-responsive, implementing advanced security technology to provide formidable protection against fraudulent intrusion and corruption. It is approved by Visa and MasterCard for secure PIN entry for both traditional online debit and offline EMV transactions. It incorporates a full range of encryption and key management capabilities, including DES, Triple-DES and RSA with Fixed, Master/Session and DUKPT schemes.

Secure download assures that only approved applications can be loaded and run.

Cost Effectiveness

The NURIT 292 is easily integrated via an RS-232 connection with NURIT and 3rd-party POS and ECR devices to provide smooth and economical migration to PIN-based EMV credit and debit transactions.

Regardless of the security features of the payment device, the NURIT 292 offers a cost-effective means of ensuring security and EMV compliance.

The PIN pad's high-power ARM processor and large RAM and Flash memory ensure fast, accurate and reliable performance, especially for the processing-intensive encryption required for EMV.

Fully Programmable Functionality

The programmable NURIT 292, which incorporates Lipman's EMV Level 2 Kernel, can implement full EMV applications, simplifying EMV deployment for both POS and ECR environments.

With its integrated EMV 2000 Level 1 Smart Card reader and powerful and proven NURIT operating system (NOS), the NURIT 292 offers complete compatibility with all Smart Card and PIN-based applications running on NURIT terminals, such as payment, loyalty, customer identification, and electronic purse applications.

Convenience

The lightweight and elegant NURIT 292 fits comfortably in the palm of your hand. Its ergonomic keypad and easy-to-read, graphical LCD display with multi-language font support and clear customer prompts greatly enhance the convenience and ease of use of this sophisticated PIN pad.

Specifications

Security

- Secure PIN entry with Triple-DES encryption
- Tamper-resistant, tamper-evident, tamper-responsive for immediate key erasure
- Secure download
- DUKPT, Master/Session, Fixed key management
- MAC generation
- ISO and ANSI-compliant PIN protection and encryption
- Visa PED Online and Offline approved

User Interface

- 128 x 64 pixel graphical display
- 15-key ergonomic keypad
- Multi-language font support

Processor and Memory

- 32-bit ARM RISC microprocessor
- RAM
 - 128 KB or 512 KB
 - Secure RAM for hundreds of encryption keys
 - Battery backup (minimum one year retention)
- Flash
 - 1 MB or 2 MB

Software

- Powerful and proven multi-application NURIT Operating System (NOS)
- Easy to use SDK and debugging tools
- Common applications operate on all NURIT terminals
- EMV Level 2 Kernel

Smart Card Slot and SAM Card Sockets

- EMV 2000 Level 1, ISO 7816
- Supports 5 V and 3 V cards
- T=0, T=1, asynchronous, synchronous
- Front entry Smart Card slot
- Optional two or four SAM sockets

Data interface

- RS-232, cable with 4-pin RJ11 connector

Approvals (partial list)

- EMV 2000 Levels 1 and 2
- VisaPED Online and Offline
- FCC Part 15 Class B, CE, UL

Power

- 5 to 20 VDC, 100 mA @ 5 V nominal
- Via RJ11 cable connector

Environment

- Operating temperature: 0° C to 50° C
- Storage temperature: -20° C to 60° C
- Humidity: 5% to 95% non-condensing

Dimensions and Weight

- H 39 mm (1.5 in) x W 81 mm (3.2 in) x D 170 mm (6.7 in)
- 230 g (0.5 lb)



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VISA PED



EMV APPROVED
LEVEL 1&2



TQM Label