



# NURIT® 8320

## Secure Payment Terminal



### THE IDEAL ALL-IN-ONE SOLUTION

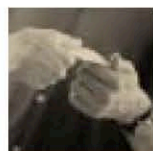
The compact and flexible NURIT 8320 was designed for the many small and medium-sized businesses that require an all-in-one landline terminal that is completely secure, reliable and easy-to-handle. This high performance, multifunction POS incorporates a secure internal PIN pad, high-speed modem, and quiet, fast thermal printer, as well as magnetic card swipe and Smart Card reader. Powerful processing capabilities support a multi-application environment, enabling the use of a variety of applications, including EMV credit and debit; loyalty, gift, and proprietary cards; checks and EBT; and prepaid phone cards.

### COST-EFFECTIVE AND CONVENIENT

This complete application flexibility assures that even the smallest businesses can offer the highest level of customer convenience – with the purchase of just one device.

Low cost of ownership is further assured by rapid transaction processing and fast downloading of software and parameters - as well as full application compatibility across all NURIT devices. Applications that has been developed for NURIT devices are compatible with the NURIT 8320.

In addition, the NURIT 8320 enables an economical migration to EMV in regions that are making the transition to Chip and PIN.



### SECURITY STANDARDS

Designed to meet demanding Visa PED and MasterCard requirements, this sophisticated terminal offers an exceptionally high level of security, enabling secure transactions as well as secure software downloads.



The unique NURIT multi-application operating system prevents independent applications from accessing each other's data. Tamper-resistant, tamper-evident, and tamper-responsive, the NURIT 8320 protects users from fraudulent intrusion. The convenient privacy shield assures customers of confidentiality during PIN entry.

BOUTIQUES

DEPARTMENT STORES

SUPERMARKETS

DISCOUNT OUTLETS

CINEMAS & THEATERS

RESTAURANTS

TOURIST CENTERS

PREPAID SERVICES VENDORS

LOTTERY



TransAction Solutions™

# NURIT<sup>®</sup> 8320

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### SECURITY OPTIONS

The NURIT 8320 can be configured with the levels of security required to match every type of business and terminal usage:

- as an all-in-one unit with secure Internal PIN Pad and Privacy Shield, it is ideal for businesses with occasional PIN transactions; the optional cable enables an easy hand-over to customers
- as two separate units, a NURIT 8320 terminal plus a secure NURIT 292 external PIN Pad, it is ideal for businesses with frequent PIN transactions

A variety of other security features can be selected to meet each customer's unique needs such as a customized application that can be designed for specific industries/businesses.

### END-TO-END COMPATIBILITY

The NURIT 8320 was designed for across-the-board compatibility.

The sophisticated multi-application NURIT Operating System enables all applications including a wide range of value added applications - to run on all NURIT terminals. The terminal can be easily integrated with an assortment of External Devices, including:

- External PIN Pad
- Signature Capture
- Check Imaging
- Barcode Reader
- Cash Register

### SIMPLIFIED OPERATION & MANAGEMENT

Lipman's state-of-the-art NURIT Operating System (NOS 7) runs on all NURIT products with forward & backward compatibility, and enables total flexibility in the development of customized applications.

The NURIT Control Center makes it easy to support your NURIT 8320 terminal network. The sophisticated yet intuitive management system supports a variety of back-office functions for dynamic markets. It facilitates management of the wide range of market-specific applications that can run on NURIT 8320 terminals. Scalable and easily customized, the Control Center offers various downloading capabilities. The Control Center simplifies the development of terminal applications with customized personalization parameters.

### FEATURES

- meets Visa & MasterCard security requirements
- internal PIN Pad with DES and triple DES
- compact, ergonomically designed
- fast, quiet, built-in thermal printer
- large backlit graphical display
- optional internal battery pack for up to five hours operating time
- battery status monitor
- built-in modem
- built-in Smart Card reader
- fast 32-bit ARM 7 processor
- 4 SAM modules (optional)
- multi-language font support
- application software compatibility
- various memory options

### SPECIFICATIONS

#### User interface

- 128 x 64 pixel graphical backlit display
- 20-key ergonomic keypad
- Menu-driven system
- Multi-language font support

#### Printer

- Programmable function keys
- Quiet thermal graphic printer
- 12.5 lines/second
- 57 mm (2 1/4 in.) wide paper

#### Magnetic stripe card reader

- Vertical swipe, bi-directional
- Tracks 1 & 2 or 2 & 3

#### Communication

- 300 / 1200 / 2400 / up to 14,400 bps
- FastConnect landline modem
- optional 33 kbps or 56 kbps modem
- Synchronous or asynchronous
- HDLC
- TCP/IP, PPP

#### Processor and memory

- 32-bit ARM 7 processor
- 2 to 4MB Flash memory for software
- 512KB to 2MB battery backed up RAM for user data

#### Optional features

- EMV Level 1 Smart Card reader
- Up to four ISO 7816 contact SAMs
- Secure Internal PIN Pad with triple DES

#### Interfaces

- RS-232
- External PIN Pad
- Telephone and line

#### Software

- Powerful and proven NURIT Operating

#### System (NOS)

- Easy to use SDK and debugging tools
- Download of application, parameters and/or NOS over phone or RS-232
- EMV Level 2 Kernel Library available

#### Security

- Tamper-resistant
- Tamper-evident
- Tamper-responsive
- Secure download
- Visa PED

#### Approvals

EMV Levels 1 and 2

- Visa PED
- FCC parts 15 and 68
- CE
- UL/TUV power supply

#### Dimensions

- H 3.23 in. (82 mm) x W 4.25 in. (108 mm) x D 9.06 in. (230 mm)
- Weight - 1.72 lb (780 g)



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**NURIT APPS™**