

NURIT[®] 8000

Secure Palmtop Solution

The Handheld POS For On-the-Go Transactions



**Visa PED
&
EMV**



Lipman
TransAction Solutions™

NURIT[®] 8000

Secure Palmtop Solution



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 multi-application NURIT Operating System (NOS), prevents independent applications from accessing each other's data. Optionally tamper-resistant, tamper-evident, and tamper-responsive, the NURIT 8000 protects users from fraudulent intrusion and corruption. The convenient privacy shield assures customers of confidentiality during PIN entry.



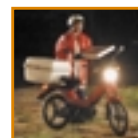
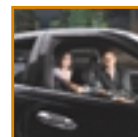
More Transactions, More Often, from More Markets

The NURIT 8000 Wireless Palmtop Solution...

- is the smallest and most flexible handheld payment terminal available today
- offering the broadest range of optional features
- enabling fast, secure, error-free transactions

It's the perfect solution for ...

- on-the-move retailers who bring their products and services directly to their customers (including those based, until now, on cash-only transactions)
- banks and transaction processors seeking lucrative new markets



Added-Value Advantages

The NURIT 8000 global payment platform offers a host of advantages at every stage of the transaction process, while enabling increased profits at lower operating costs.

- As the ultimate Multi-Application Platform, it supports
 - a range of Payment and Value-Added Services, including Credit, Debit, T&A, EBT, Smart Cards, Pre-Paid Cards, Loyalty/Gift Cards, and Proprietary Cards
 - a variety of easily integrated Business Management Solutions, including Inventory Control, Dispatch and Order Processing for markets such as Restaurants, Delivery Services, Taxis, etc.
 - Doubling as a Cellular Phone, it offers both voice and data transfer in real time
 - Electronic Signature Capture is possible, using the optional touch screen
 - The sophisticated Docking Station allows landline communication, charges internal & spare batteries simultaneously, and easily interfaces with external devices
 - Enhancing Cost Efficiency, it eliminates redundant equipment, reduces power consumption, and creates a paperless environment
- The NURIT 8000 can be purchased
- as a fully customized standalone unit, enabling customer-selected features for every type of market
 - as part of an end-to-end system, enabling new business models and revenue streams for banks, transaction processors, and VARs

Meeting the Needs of Demanding Markets

Designed to meet the needs of on-the-move markets operating in the most demanding conditions, the NURIT 8000 is compact, lightweight, and easy-to-use, while at the same time, offering powerful, heavy-duty performance and dependability.

Ensuring Effortless, Ongoing Transactions

The NURIT 8000 all-in-one portable is both wireless and web-enabled, allowing ongoing communication.

Featuring built-in secure PIN pad, EMV Smart Card reader, optional touch screen & electronic signature capture, the NURIT 8000 allows customer activated payments to be made on the spot, with complete security.

With the fast, easy-to-load thermal printer, paper jams are avoided, assuring a steady stream of delay-free transactions.

Managing Multiple Networks

The Nurit Control Center, a sophisticated management system, enables control of multiple networks of distant terminals, including management of a wide range of market-specific applications that can be run on the NURIT 8000. The Control Center offers remote diagnostics and downloading capabilities, as well as simplified data collection and storage. Scalable and easily customized, it supports a variety of back-office functions for fast-changing markets.

Standard Features

- Meets MasterCard & Visa PED security requirements
- Built-in radio modem
- HW/SW support for GSM, GPRS, Mobitex, CDPD, DataTac & CDMA
- TCP/IP protocol support
- Multi-application support
- Large, back-lit graphical LCD display
- 18-button ergonomically designed back-lit keypad; programmable quick keys
- Dual track bi-directional magnetic card reader
- Internal PIN Pad with DES, Triple DES and RSA
- Easy-load paper mechanism
- Quiet, graphical thermal printer
- Rechargeable batteries
- Fast 32-bit ARM 7 processor

Optional Features

- Touch screen for easy operation
- Up to two accessible SAM modules
- Memory of up to 6 MB
- Built-in Smart Card Interface
- Headset and GSM radio modem for voice communication
- Docking station for battery recharge, modem, & interface for external devices such as Bar Code Reader and Check Reader



Delivery

■ Stadium & Arena Sales

■ Restaurant & Food Services

■ Contractors & Consultants

■ Audio / Video Installers

■ Retail

■ Limousine & Taxi

■ Mobile Vendors

■ Fairs & Markets

■ Traveling Sales People

■ Conventions / Exhibitions

■ Golf and Tennis Venues

■ Outdoor Entertainment

Specifications

Human Interface

- PDA sized back-lit 128 x 128 pixels graphical touch screen LCD display
- 18-button ergonomically-designed back-lit keypad
- Dual track bi-directional tracks 1 and 2 magnetic card reader (tracks 2 and 3 optional)

Processor

- Powerful ultra-fast 32-bit RISC (ARM7) microprocessor

Memory

- 2 MB flash memory, extendable to 4 MB, for S/W
- 512 KB battery backed-up RAM for user data (including RAM disk), extendable to 2 MB; six-month minimum data retention

Communication Capabilities

Wireless

- Built-in radio modem
- Internal antenna
- Hardware and software support for a wide range of networks:
 - GSM/GPRS dual-band (optional tri-band) with headset connector for use as mobile telephone
 - Mobitex, CDPD, DataTac, CDMA
 - Wi-Fi Local Area Network

Telephone-Line via optional Docking Station or external modem

- Dial-up modem at up to 14.4 kbps for telephone communication (33.6 and 56 kbps optional)
- CCITT V.22bis and V.32bis; Fast Connect
- Asynchronous and synchronous protocols
- Complies with FCC part 68 and TBR 21
- TCP/IP protocol support
- SD/MMC Flash Media Support

Optional features

- EMV Level 1 Smart Card reader
- Up to two accessible SAMs and one SIM

Programming Features

- Multi-Application Operating System
- Software Development Kit (SDK)
- Application downloading via radio modem, RS-232 or phone line

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Security options

- Tamper-resistant
- Tamper-evident
- Tamper-responsive
- Secure download
- Visa PED
- Secure internal PIN pad with Triple DES

Printer

- Quiet, graphical thermal printer; fast 12.5 lines-per-second
- Easy-load paper mechanism
- Out-of-paper detection
- Multi-language character/font support

Power

- Internal rechargeable Li-ion battery pack with protection circuitry
- 12 hours of general operation or over 200 transactions per charge
- Car charger option

External Docking Station (Optional)

- Fast 14.4 kbps telephone line modem (33.6 and 56 kbps optional)
- Built-in charger; can charge internal and a spare battery pack simultaneously
- RS-232 PC port connector (RJ-45) for external devices
- Optional RJ-11 4/4 connector for external PIN pad

Approvals

- EMV Levels 1 & 2
- Visa PED
- CE
- FCC part 15 and 68
- TBR 21
- R&TTE

Dimensions

- 55 mm/2.17" (H) x 91 mm/3.58" (W) x 210 mm/8.27" (D)

Weight

- 600g/1.3 lb, including battery pack and paper roll



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