

## BENEFITS AT A GLANCE

- Secure PCI PED approved internal PIN pad and EMV smart card reader
- Large, white back-lit touch screen display
- Ideal for multiple forms of payment and value added applications



## The Future in the Palm of Your Hand

The **NURIT 8020** is the leading handheld wireless POS device. This secure and sophisticated solution offers a wide range of communication options for mobile markets everywhere. An impressive array of advanced features and powerful processing capabilities make the NURIT 8020 an ideal platform for on-the-go transactions and a large variety of vertical market applications. This advanced handheld solution is designed to provide a fast and efficient means of achieving increased and diverse revenue.

### Vertical Versatility

The NURIT 8020 enables mobile retailers to bring their products and services directly to customers.

In restaurants, markets, sports arenas, taxis or even at the customer's own front door, merchants can perform highly secure card-based transactions with speed and ease. Touch screen display with electronic signature capture, large removable SD/MMC Flash memory for unlimited storage, voice and SMS cell phone options, and easy integration with back-office management systems are just a few examples of the value-added functionality provided by this lightweight and versatile solution.

### High-grade Security

Incorporating sophisticated tamper protection mechanisms and a secure internal PIN pad with Triple DES encryption, the

NURIT 8020 is approved by Visa and MasterCard for secure PCI PED transactions.

### Wide Variety of Communication Options

The NURIT 8020 supports many wireless communication technologies, including GPRS/GSM and Wi-Fi. TCP/IP is also available for Internet-based communications. Via its optional external modem, the NURIT 8020 also offers a wide range of landline communication options.

# NURIT 8020

Secure Palmtop Solution

# NURIT 8020



NURIT 8020 provides multi-application versatility



Vehicle adapter



External modem

## Features & Benefits

### Exceptional Security

- PCI PED approved
- Secure internal PIN pad with Triple DES encryption

### Multi-application Versatility

- Powerful multi-application NURIT Operating System (NOS) providing application compatibility with all NURIT devices
- Large RAM and Flash for multiple applications
- Optional removable SD/MMC Flash memory for mass storage

### High-performance Features

- Internal high-speed radio modem with internal antenna
- Fast, high-power 32-bit ARM processor
- Large white backlit easy-to-read graphical display; great for dark environments

- Fast, quiet, easy-load thermal printer
- Multi-language font support
- EMV 2000 Level 1 smart card reader and Level 2 Kernel
- Bi-directional 2-track magnetic stripe card reader (3-track optional)

### Wide Range of Optional Accessories

- Docking station for battery charging and connection to a variety of peripheral devices
- External modem for fast landline communications
- Vehicle adapter for battery recharge
- Cellular headset connector for optional mobile phone functionality
- Carry case with optional shoulder strap and belt clip for hands-free carrying



## SPECIFICATIONS

### Processor

32-bit ARM RISC microprocessor

### Memory

Up to 2GB with standard SD/MM Card (2-8MB Flash, 1-4MB RAM); optional SD/MMC card

### User Interface

128 x 128 pixel white backlit touch screen graphical display, multi-language support; 18-key ergonomic keypad

### Magnetic Card Reader

Dual or triple track, horizontal swipe, bi-directional, ISO 7811, high and low coercivity

### Smart Card

EMV 2000 Level 1, ISO 7816; 5 V, 3 V and 1.8 V cards; T=0, T=1, asynchronous, synchronous

### SAM and SIM sockets

Optional 1 or 2 SAM sockets; One SIM card slot

### Device Ports

Powered RS-232 for external landline modem, barcode scanner and other peripherals

### Printer

Thermal graphical printer; 15 lines/second; 8 dots/mm; 57 mm (2.35 in); wide paper; improved easy-open and easy-load mechanism

### Security

PCI PED approved secure internal PIN pad with Triple DES encryption, secure downloads

### Communications

Built-in radio modem; internal antenna  
Wide range of networks: GSM/GPRS; Wi-Fi 802.11b wireless LAN; TCP/IP; Optional external or docking station landline modem

### Dimensions and Weight

H 59 mm (2.3 in) x W 92 mm (3.6 in) x D 210 mm (8.3 in); 575 g (1.3 lb) including battery pack

### Environmental

Operating temperature: 0° C to 45° C; storage: -20° C to 60° C; humidity: 5% to 95% non-condensing

### Battery and Power

Rechargeable and replaceable internal Lithium-ion battery  
Input: 100-240 VAC at 50/60 Hz (0.8 A)  
Output: 8.4 VDC at 1.0 A

### Optional Accessories

External landline modem; Docking station; Vehicle adapter

### NURIT Control Center Streamlined Management

- Facilitates deployment and support of a network of NURIT terminals
- Simple integration and management of a wide range of market-specific applications
- Scalable, intuitive and easily-customized system
- Parameter and software download over popular networks
- Deployment inventory and merchant help desk management