

## BENEFITS AT A GLANCE

- Ideal for adding vertical market and value-added applications to traditional and EMV payment functionality
- Impressive range of communication options
- Enhanced user interaction with numerous applications
- Extensive range of customized vertical and payment applications



# NURIT 8100

Secure Multifunction Solution

## Always One Step Ahead

**The NURIT 8100** is a premium, highly secure, multifunction solution, designed to meet the evolving demands of the high-end market. With a comprehensive package of innovative features, the NURIT 8100 is the perfect platform for a variety of payment and value-added applications.

### Superior Security

The NURIT 8100 is designed to comply with stringent security standards. Value-added applications can be added without affecting its PED approval.

### Multi-Application Versatility

The NURIT 8100's large memory, powerful processor and optional large removable SD/MMC Flash memory enable fast and efficient processing and storage of data generated by multiple applications. Running the NURIT Operating System (NOS), a powerful and proven platform for multi-application development, the device supports an extensive range of customized vertical and payment applications.

### Easy and Efficient Browsing

The device's large display and six ATM-like control buttons enhance the speed and scope of user interaction with numerous applications.

### Increased Communication Options

The NURIT 8100 offers a range of communication options, including landline, wireless and Internet connectivity. TCP/IP networking also enables easy integration with back-office management systems and third party transaction solutions.

### Practical Functionality

The NURIT 8100 supports easy connection of peripheral devices to extend its functionality in a variety of commercial settings. Its fully detachable printer, which is easily replaced in the field without breaching security, improves serviceability, minimizes maintenance downtime and maximizes dependability.

# NURIT 8100



## SPECIFICATIONS

### Processor

32-bit ARM RISC microprocessor

### Memory

4MB up to 12MB  
(2-8MB Flash, 2-4MB RAM); optional  
SD/MMC card

### User Interface

128 x 128 pixel backlit graphical display;  
multi-language font support; 20-key  
ergonomic keypad and 6 control buttons  
on the sides of the display

### Magnetic Card Reader

Dual or optional triple track, vertical  
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 sockets

Optional 2 or 4 SAM sockets

### Peripheral Ports

Two RS-232, or one RS-232 and  
Ethernet, external telephone, PIN pad  
port

### Printer

Thermal graphical printer; replaceable  
printer for easy service;  
15 lines/second; 8 dots/mm;  
57 mm (2.35 in) wide paper; easy-load  
mechanism

### Communications

14.4 kbps modem  
(V.21/V.22bis/V.23/V.32bis), up to 56 kbps  
optional (V.34/V.92);  
HDLC, TCP/IP; optional 10BaseT  
Ethernet; optional GSM/GPRS radio  
modem with internal antenna

### Security

Visa PED Online and Offline, secure  
internal PIN pad with Triple DES  
encryption, secure download

### Dimensions and Weight

H 80 mm (3.15 in) x W 127 mm (5 in) x  
D 256 mm (10 in); 860 g(1.9 lb) including  
paper roll

### Environmental

Operating temperature: 0° C to 50° C;  
storage: -20° C to 60° C; humidity:  
5% to 95% non-condensing

### Power

100-300 VAC switching power adapter;  
DC output 16 VDC/1.5 A

## Features & Benefits

### Transaction and PIN Security

- Visa PED Online and Offline
- Secure internal PIN pad with Triple DES encryption

### Multi-application Versatility

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

### High-performance Features

- Fast, high-power 32-bit ARM processor
- EMV 2000 Level 1 smart card reader and Level 2 Kernel
- Vertical bi-directional 2-track magnetic stripe card reader (3-track optional)

### Practical Functionality

- Easily accessible ports for connection to multiple peripheral devices and networks
- Fast, quiet, easy-load, detachable thermal printer

### Easy and Efficient Browsing

- Large backlit easy-to-read graphical display with multi-language font support and six control buttons

### Increased Communication Options

- Internal high-speed landline modem
- Optional Ethernet LAN, GSM/GPRS
- Internet connectivity, including TCP/IP, HTTP, HTTPS, SSL

### NURIT Control Center Streamlined Management

- Facilitates deployment and support of a network of NURIT devices
- 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