

BENEFITS AT A GLANCE

- Wide range of communication options
- Low total cost of ownership
- Secure internal PIN pad and EMV smart card reader
- Multi-application for value-added solutions



NURIT 8320

Secure Payment Terminal

High-Performance Functionality, All-In-One Convenience

The NURIT 8320 is a secure and reliable countertop POS device, ideally suited to the needs of small and medium-sized businesses. This bestselling, easy to handle device offers a range of features specifically designed to provide customers with enhanced profitability, high-performance functionality and all-in-one convenience.

Cost-Effectiveness

The NURIT 8320 assures low cost of ownership through a combination of fast transaction processing, outstanding reliability and increased revenue generated from value-added services. Running the proven multi-application NURIT Operating System (NOS), the NURIT 8320

supports an extensive range of customized vertical and payment applications. The device's secure internal PIN pad and integrated smart card reader enable smooth and economical migration to PIN-based EMV transactions.

Multi-Market Flexibility

The NURIT 8320 is easily customized to meet specific operational and branding requirements, including color coordination, logos, display fonts, and keypad functionality.

Transaction Security

The NURIT 8320 is approved by Visa and MasterCard for secure PED transactions. Tamper-resistant, tamper-evident, and tamper-responsive, this

sophisticated terminal provides secure software download and outstanding protection against fraud. The device's secure multi-application environment also prevents unauthorized inter-application data access.

Wide Variety of Communication Options

With optional Ethernet or RS-485 LAN connectivity and a GSM/GPRS cellular modem, as well as standard landline dial-up via an internal high-speed modem, the NURIT 8320 provides convenient communication options for any business location.

NURIT 8320



NURIT 8320 with optional
NURIT 222 PIN pad

SPECIFICATIONS

Processor

32-bit ARM RISC microprocessor

Memory

2-8MB Flash, 2-4MB RAM

User Interface

128 x 64 pixel backlit graphical display; multi-language font support; 20-key ergonomic keypad

Magnetic Card Reader

Dual track (triple track option), 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

Parallel phone or LAN
RS-232
PIN pad

Printer

Thermal graphical printer;
12.5 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

Security

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

Dimensions and Weight

H 82 mm (3.23 in) x W 108 mm (4.25 in)
x D 230 mm (9 in); 760 grams (1.66 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
Optional 770 mAh Ni-MH trickle charge
battery for backup operation

Features & Benefits

Transaction and PIN Security

- Visa PED Online and Offline approval
- 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

High-performance Features

- Fast, high-power 32-bit ARM processor
- Large backlit easy-to-read graphical display with multi-language font support

- Fast, quiet, auto-feed thermal printer
- EMV 2000 Level 1 smart card reader and Level 2 Kernel
- Vertical bi-directional 2-track magnetic stripe card reader (3-track optional)
- Easily accessible ports for connection to multiple peripheral devices and networks
- Optional internal battery pack for backup operation

Wide Variety of Communication Options

- Internal high-speed landline modem
- Optional GSM/GPRS cellular modem with internal antenna
- Optional Ethernet LAN or RS-485

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