

## BENEFITS AT A GLANCE

- Customizable for multiple payment and value-added applications
- Fast, accurate and reliable performance
- Meets all essential security requirements
- Convenient and easy to use



Secure PIN Pad

## A Highly Secure Multifunction PIN pad

The NURIT 292 is a Visa PED-approved, multifunction PIN pad that meets security requirements for EMV and other smart card transactions. This versatile and powerful programmable PIN pad supports remote download of multiple payment and vertical applications.

### Comprehensive Security

The NURIT 292 incorporates a full range of encryption and key management capabilities. It implements advanced security technology to provide formidable protection against fraudulent intrusion and corruption.

### Feature-rich Cost Effectiveness

The NURIT 292 is easily integrated with NURIT and

third party POS and ECR devices to provide smooth and economical migration to PIN-based EMV credit and debit transactions. The NURIT 292 offers a cost-effective means of ensuring security and EMV compliance in any payment environment. The PIN pad's high-power ARM processor and large RAM and Flash memory ensure fast, accurate and reliable performance.

### Convenience

The lightweight and elegant NURIT 292 fits comfortably in your hand. Its ergonomic keypad and easy-to-read, graphical LCD display with multi-language font support and clear customer prompts greatly enhance the

convenience and ease of use of this sophisticated PIN pad.

### Fully Programmable Functionality

The programmable NURIT 292 can implement full EMV applications, simplifying EMV deployment for both POS and ECR environments. With its integrated EMV 2000 Level 1 smart card reader and powerful and proven NURIT operating system (NOS), the NURIT 292 offers complete compatibility with all smart card and PIN-based applications running on NURIT devices, such as payment, loyalty, customer identification, and electronic purse applications.

# NURIT 292



NURIT 292 with  
NURIT 8320

# NURIT 292

## SPECIFICATIONS

### Processor

32-bit ARM RISC microprocessor

### Security

Tamper-resistant, tamper-evident, tamper-responsive for immediate key erasure; Triple DES, DUKPT, Master/Session and Fixed encryption key management; secure download

### Display

128 x 64 pixel graphical display; multi-language font support

### Memory

128 KB or 512 KB RAM for hundreds of encryption keys; 1 MB or 2 MB Flash

### Smart Card and SAMs

EMV 2000 Level 1, ISO 7816; 5 V and 3 V cards; T=0, T=1, asynchronous, synchronous; optional two or four SAM sockets

### Software

Powerful and proven multi-application NURIT Operating System (NOS); EMV 2000 Level 2 Kernel

### Data Interface

RS-232, cable with 4-pin RJ11 connector

### Power

5 to 20 VDC/100 mA; via RJ11

### Environment

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

### Dimensions and Weight

H 39 mm (1.5 in) x W 81 mm (3.2 in) x D 170 mm (6.7 in);  
230 g (0.5 lb)

## Features & Benefits

### Comprehensive Security

- Visa PED-approved for Online and Offline transactions
- Secure internal PIN pad with DES, Triple DES and RSA with Fixed, Master/Session and DUKPT schemes
- Secure multi-application environment with secure software download
- ISO and ANSI-compliant PIN protection and encryption
- Tamper-resistant, tamper-evident, and tamper-responsive for immediate key erasure
- Integrated keypad privacy shield
- Secure RAM for hundreds of encryption keys

### Ideal for Migration to EMV

- EMV 2000 Level 1 smart card reader and Level 2 Kernel

### Multi-application Versatility

- Powerful multi-application NURIT Operating System (NOS) providing application compatibility with all NURIT devices
- Easy-to-use SDK and debugging tools
- Fast 32-bit ARM processor
- Large RAM and Flash memory

### Compact and Convenient

- Easy connection to NURIT or proprietary POS devices and ECRs
- Large easy-to-read graphical display with multi-language font support
- Large, ergonomic 15-key keypad
- Compact and lightweight design for handheld or countertop operation