# cardax

# Cardax
# Encoder III

Cardax Encoder III is a user friendly software package that allows the on-site encoding of Cardax proximity cards and transponders, Cardax magstripe cards and Cardax smart cards.

The Cardax Encoder III sets new standards for greater functionality and ease of use while maintaining effective security.

Using an industry standard Microsoft® Windows® 95/98, NT or 2000 operating system, Cardax Encoder III is a user friendly software package that allows the encoding of Cardax Proximity Transponders, Cardax Magstripe Cards and Cardax Smart Cards with access control data. Cardax Encoder III is used in conjunction with the Cardax Encoder (TIRIS, Mifare, 125 and Magstripe series).

### Pin Generation
Cardax Encoder III provides the option of Randomly Selected PINs or User Selected PINs. It has the added feature of being able to type User Selected PINs with hidden characters displayed on screen.

PINs can be displayed on screen, filed, printed to a laser printer or printed on secure PIN forms (similar to those used by the Banking Industry for distributing PINs).

### Operator Security
The system includes full operator security functions that provide password protected operation to every part of the software. Selected operators can have fully definable, yet suitably restricted access.

The audit trail of all activity is recorded and can be sorted on the basis of time, operator or site.

### System Security
To protect against software transfer and illicit card manufacture, Cardax Encoder III will only operate with a dongle security device with embedded serial numbers.

In addition, a license is issued with each Cardax Encoder III to provide an extra level of security. This ensures that no one else can encode or read cards for other licensed sites.

### Cardax Encoder (TIRIS Series)
The Cardax Encoder (TIRIS Series) is a cost effective compact and operator friendly unit that connects straight to the PC, for encoding TIRIS proximity cards.

### Cardax Encoder (Mifare Series)
The Cardax Encoder (Mifare Series) is used for encoding Mifare® smart cards.

### Cardax Encoder (125 Series)
The Cardax Encoder (125 Series) is used for encoding and re-encoding Cardax 125 Series proximity cards.

### Cardax Encoder (Magstripe)
The Cardax Magstripe Encoder is used for encoding magnetic stripe cards.

Proximity Encoder (TIRIS Series)

Proximity Encoder (Mifare Series)

Proximity Encoder (125 Series)

Encoder (Magstripe)

www.cardax.com

| TECHNICAL SPECIFICATIONS | Cardax Encoder III | |
|---|---|---|
| **Minimum Computer** | Processor | Pentium |
| | Clock Speed | 100 MHz |
| | RAM | 32 Megabytes |
| | Hard Disk | 50 Megabytes free space |
| **Operating System** | | Microsoft® Windows® 95/98 or NT or Windows® 2000 |
| **Operators** | Max. Number | Unlimited |
| **Operator Authorisation Levels** | | Fully configurable |

| TECHNICAL SPECIFICATIONS | Cardax Encoder (TIRIS Series) | |
|---|---|---|
| **Dimensions** | Length | 190 mm |
| | Width | 134 mm |
| | Depth | 54 mm |
| **Power Supply** | Voltage | 12.5 V DC |
| **(not supplied by Cardax)** | Current | 250 mA |
| **Temperature Range** | | -10° to +55°C |
| **Encode Rate** | | 30 per minute |
| **Communications** | | RS 232 |

| TECHNICAL SPECIFICATIONS | Cardax Magstripe Encoder | |
|---|---|---|
| **Dimensions** | Length | 280 mm |
| | Width | 120 mm |
| | Depth | 110 mm |
| **Power Supply** | Current | 180-260 V AC |
| | | 60 Watts |
| **Temperature Range** | | 5° to 40°C |
| **Encode Rate** | | 14 per minute |
| **Communications** | | RS 232 |

| TECHNICAL SPECIFICATIONS | Cardax Encoder (Mifare Series) | |
|---|---|---|
| **Dimensions** | Length | 144 mm |
| | Width | 83 mm |
| | Depth | 25 mm |
| **Power Supply** | Voltage | 13.6 V DC + or -15% |
| **(not supplied by Cardax)** | Current | 250 mA |
| **Temperature Range** | | 0° – 50°C |
| **Encode Rate** | | 39 per minute |
| **Communications** | | RS 232 |

| TECHNICAL SPECIFICATIONS | Cardax Encoder (125 Series) | |
|---|---|---|
| **Dimensions** | Length | 190 mm |
| | Width | 134 mm |
| | Depth | 54 mm |
| **Power Supply** | Voltage | 13.6 V DC + or -15% |
| **(not supplied by Cardax)** | Current | 250 mA |
| **Temperature Range** | | -0° to +50°C |
| **Encode Rate** | | 15 per minute |
| **Communications** | | RS 232 |

GALLAGHER SECURITY MANAGEMENT SYSTEMS

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