

CARD PROGRAMMER



ELECTRONIA



CARD PROGRAMMER

*K*ey to Electronia's smart card solutions is the ElSmart programmer.

The card programmer is a desktop device used to input all the data and information relevant to any of Electronia's smart card-based solutions. The programmer can be installed in a client PC and connected via the USB port. The programmer, along with the associated software, prepares the smart card to meet the card issuing/modifying requirements of ElSmart Membership card.

All contactless cards issued by Electronia conforms to the ISO 14443 standard, to be programmed by a Mifare-based Smart Card Reader/Writer.

The ElSmart programming software is bound with the primary and secondary keys defined in the system

and uses only the formatted smart cards, which enhances the system security.

It can also be used to prepare database card to update blacklisted cards information to the terminals. The programmer and programming software enable the required data to be written on to the card's memory.

Smart Card Programmer Specifications

PROGRAMMER MODULE

Smart Card Reader/Writer

MIFARE Reader (MF AN260 / MF RD260)

Card Operating Distance

up to 25 mm

Communication Interface

Serial RS232, 9600 kbps, N,1,8

CARD PROGRAMMER

ENVIRONMENTAL

Operating temperature: Indoor/Office Use

+15 ° C to +35 ° C

Storage Temperature

0 ° C to +70 ° C

Relative Humidity

10% to 80% (non-condensing)

POWER SUPPLY & MECHANICAL

External Power Supply

input 110/220 VAC Output 12 VDC, 300 mA

Power Consumption

Less than 100 mA @ +12.0 V DC

Mechanical Design

Desktop

Dimensions

Approx 160x90x35 mm

PROGRAMMING SOFTWARE SPECIFICATIONS

Programming a new card

A new employee is added to the database based on the unique Mifare serial number.

Edit/Modify

Simultaneous changes to employee database both at system level and card level

Information written on to the Card

- g) Badge Number (Max 16 characters)
- h) Alias Name (Max 10 characters)
- i) Card type (Access / Attendance/ Access & Attendance)
- j) Permission to Access Doors from the List of total Access Doors.
- k) Permission to Attendance terminals from the list of total attendance terminals.
- l) Card Serial Number
- m) Anti-Pass back (Enable/Disable)



- a) Access during system lock (Yes/No)
- b) Card issue date
- c) Card Expiry Date
- d) Alert on Card Expiry (Yes/No)
- e) Fingerprint Verification (Yes/No)
- f) Fingerprint Template

Customer ID

4 digits

Electronia assigned customer ID

Factory Programmed when shipped to Customer.

Card Reading

When the card is placed on the Programmer, all the information stored in the card is read and displayed, provided the Card serial number (Mifare) exists in the databases, otherwise this card will be treated as a new card.

Card Programming

From Host PC or from any client PC's on the network.

