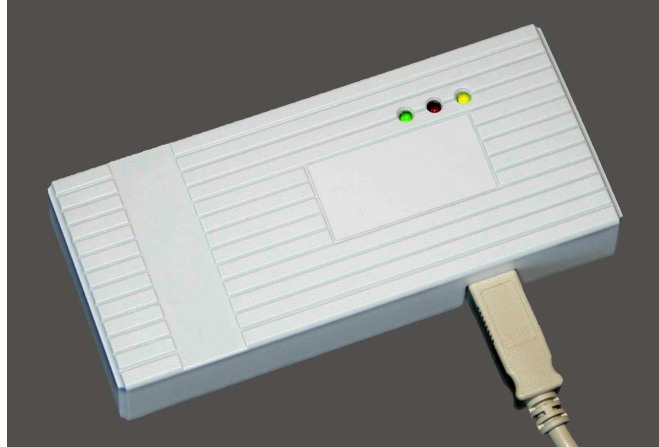# 727-53 MIFARE® Card Programmer

Data Sheet

Overview

The 727-53 MIFARE® Card Programmer will load values into any sector of a MIFARE® card. It will also program MIFARE® cards for use with the 716-xx, 718-xx, 723-x, 724-xx, 727-xx, 735-xx and 737-xx families of OEM Mifare reader/writers. The card programmer plugs into the USB port of a PC. Software is included to install on the PC.

Programmer Specifications

- Power requirements: Powered by the USB port of the PC.
- RF Frequency: 13.56 MHz.
- Read/write cards supported: MIFARE® Ultralight, Std 1K and 4K, Mifare PlusX/PlusS SL1.
- Physical dimensions: 118 x 54 x 21mm
- Operating temperature: 0 - 50 ^{o}C (non-condensing).

Software Features

- Software runs on Windows 95/98/NT/2000/XP/Windows 7.
- Programs any sector on a Mifare card with any data. Supports VALUE format.
- Programs keys and access bits into the trailer block of any sector on the card.
- Format Sector 0 and/or Sector 16 of the card into a Mifare Application Directory (MAD) according to MAD1 and MAD2 specifications.
- View/Edit/Add applications in the MAD directory of the card.
- Personalise Mifare Plus cards taking them from SL0 to SL1.
- Creates secure configuration cards for the 718-xx, 724-xx, 735-xx, and 737-xx families of OEM Mifare readers. Configuration cards set the following on the readers:
  - ❖ Sector/block on card to read. This may be defined by an AID (application ID) if the card is using the Mifare Application Directory (MAD).
  - ❖ Key to use for reading that sector.
  - ❖ Number of bytes to read from the card.
  - ❖ Format of output.
  - ❖ Behaviour of LEDs and beeper on good and failed reads
  - ❖ Optional AES authentication for Mifare Plus cards.

- Converts a decimal ID number into appropriate wiegand or magstripe bits for programming into a sector for a secure ID card application.
- Saving and loading of user configurations to disk and logging of cards programmed to a text file.