HID MIFARE®
Card Programmer

Programs Proximity Format Access Control Data into HID MIFARE Cards

The HID MIFARE Card Programmer allows HID proximity formats to be programmed onsite into a sector of new or existing MIFARE cards. It also enables access control capability to be added to MIFARE cards containing other applications. To insure security of your format and cards, a MIFARE Card Programmer license is required.

The Card Programmer includes a reader/writer with desktop stand, CD-ROM containing programming software and documentation, personalization diskette, universal power supply, serial cable and sample cards.

• Personalized for individual customers (proprietary formats are restricted to authorized users)

• Compatible with MIFARE standard contactless smart cards (Philips S50 or equivalent)

• Compatible with Windows 9x, Windows 2000 or Windows NT platforms

• Prints card ID numbers on standard adhesive labels, or directly on printable PVC cards when used with a dye sublimation card printer

• Allows end users to control and program their own proprietary format by utilizing the HID Corporate 1000 Program

• Programs and protects access control data with HID keys, which can only be read by the HID 6055B MIFARE Reader

• Does not change secure keys in other sectors

MIFARE is a registered trademark of Philips Electronics, N.V.

An ASSA ABLOY Group company

HID®
HID CORPORATION

HID MIFARE® Card Programmer

Features

The HID MIFARE Card Programmer offers the following capabilities:

- Programs HID/ OEM Proximity (Wiegand) format access control data into:
    - Blank or existing MIFARE cards
    - Existing MIFARE cards with MIFARE Application Directory (MAD) enabled and any sector available

- The application software includes the following functionality:
    - • Program card orders (create new, append, review)
    - Program single card
    - Program fallout/replacement
    - Program duplicate cards
    - Select OEM format
    - Print external numbering on cards, or on adhesive labels
    - Print reports and cross reference lists

- Analyzes an existing MIFARE card for programmability:
    - Seeks open Sector 1
    - Seeks available MAD and open sectors
    - Reads and displays MAD (Sector 0) of any MIFARE card (using Philips default or user-entered keys)
    - Reads and displays contents of any Sector 1 – 15 on any MIFARE card (except HID OEM Data)

- Programming is possible for cards without available MAD or Sector 1
    - Requires reader configuration card from HID Technical Support

Reader/Writer

- The reader/writer is a modified HID 6055B MIFARE Reader, mounted in a Desktop Programming Stand.

- A guide holds MIFARE cards in the proper position for programming.

- A DB9S serial connector and DC power jack are located on the rear of the stand.

Power Supply

- A universal power supply is provided with US plug. For international use, just replace the removable power cord and add a local adapter.

Cable

- A 6' (2 meter) cable connects the reader/writer's serial output to a PC COM port. The cable has DB9F and DB9S connectors.

Diskette

- Personalizes programming software to allow programming of authorized proximity (Wiegand) formats

Specifications

Reader/Writer Compatibility
Access control data on cards programmed with the HID MIFARE Card Programmer is readable only by the Model 6055B HID MIFARE Reader/Writer.

Card Compatibility
- 1430 HID MIFARE Cards
- 1431 HID Proximity & MIFARE Cards (dual technology: HID 125 kHz proximity and MIFARE)
- Any MIFARE card using the Philips S50 Chip or equivalent (ISO 14443, Type A) and having an available sector
- If an existing card is secured with custom keys, user must know the key that secures the desired sector(s)

Requires a PC with:
- Pentium® 166 MHz or better
- Windows® 9X, 2000, or NT4+
- 50 MB of available disk space
- 32 MB RAM
- Available serial COM port

Dimensions/ Weight (Programmer Stand):
6.25" H x 4.3" D x 5" W (158 cm x 109 cm x 127 cm)
10.4 oz (295 g)

Material:
Stand – Black PVC
Reader housing - Polycarbonate UL 94

Power Supply:
Input: 90-264VAC 50/60 Hz, US Plug
Output: 12VDC, Connector: 0.0219", Shell: +
Current Draw: 100mA @ 12VDC

Environmental:
Indoor / office environment
0° to +35°C (32° to 95°F)
10 – 80% RH, non-condensing

Transmit/Excite Frequency:
13.56 MHz

Certifications:
UL294/cUL
FCC Certification – USA
Canada Certification
Australia C-Tick
New Zealand EMC
CE (all EU Countries)

Warranty:
Warranted against defects in materials and workmanship for 2 years from date of shipment. (See complete warranty policy for details.)

Part Number:
Base Part No.: 3011AKN00