

# iCLASS® CP400 Programmer

Contactless Smart Card Programmer • 3150



## ACCESS flexibility.

The iCLASS® CP400 Card Programmer is designed for on-site programming of access control data, Personal Identification Number (PIN) codes, and user data onto HID iCLASS cards. It allows HID proximity formats, keypad PIN codes and user data fields to be programmed directly into iCLASS contactless smart cards. This enables the system manager to stock blank cards and program cards on demand when new cardholders are added to the system. To ensure security of the format and cards, an iCLASS Card Programmer license is required.

The iCLASS CP400 Card Programmer also allows the end user to upgrade their system to the highest security level by creating unique, site specific authentication keys preventing cards from any other location or source from being recognized by the system including 26-bit Wiegand format.

The iCLASS CP400 Card Programmer includes a desktop reader/writer, CD-ROM with programming software and documentation, personalization diskette, universal power supply, and serial cable.

### Additional Capabilities

- ▶ Stores PIN codes on the card for use with the iCLASS RK40 and RWK400 keypad readers configured for local PIN verification.
- ▶ Programs four, 16-character user data fields on the card, that can later be read on the programmer.
- ▶ Creates site-specific, high-security authentication keys that are programmed into both readers and cards.
- ▶ Creates reader configuration cards to program new authentication keys into readers and change other reader operating parameters.
- ▶ Reads any iCLASS card when the authentication key is pre-stored in the programmer.
- ▶ Prints card numbers directly onto the cards using a PVC card printer or on standard Avery labels.
- ▶ Maintains a secure, encrypted database on a personal computer.
- ▶ Personalized for individual customers (proprietary formats are restricted to authorized users).

The HID CP400 iCLASS® Card Programmers offer the following capabilities:

## Capabilities

Create New Card Profile (template for batch programming)

- Create Profile Name
- Select Format
- Select Security Mode - Standard or High
- Select PIN-on-Card type - None, User
- Defined, Random, Sequential (w/ start #)
- Enter Site Code, Starting ID Number
- Enter Quantity to be programmed

Program a Card Profile

- Select Profile Name
- For each card you may enter
  - PIN (if user-defined)
  - Password
  - User Data Fields 1-4, 16 characters

Program a Single Card

Program User Fields (for a previously programmed card)

Program Skipped Cards (for a profile where some cards failed to program)

Read Cards (previously programmed if key is known)

Print Cards or Label Stock

- Create Card Number Prefix
- Position Card Number on card
- Select label size (1" x 2-5/8" or 1/2" x 1-3/4")

Print Cross Reference Report for a Profile

Add New User (Inactive, Operator, Administrator)

Configuration Card Manager (create keys and reader configuration cards)

## Reader/Writer

The iCLASS reader/writer provides audiovisual feedback with a speaker and light bar. A desktop stand with shelf holds the card, key or tag while 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 United States plug. For international use, just replace the removable power cord and add a local adapter.

## Cable

A 2 meter (six foot) 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

## Warranty

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

## Base Part Number

Base Part No.: 3150

## Reader/Writer Compatibility

Access control data on cards programmed with the HID iCLASS Card Programmer is readable only by iCLASS readers

## Card Compatibility

iCLASS 2k, 16k and 32k Cards including: iCLASS 200X, iCLASS /Prox 202X, iCLASS Embeddable 201X, iCLASS Wiegand 204X, iCLASS Key 205X and iCLASS Tag 206X.

## PC Requirements

Pentium 166 or higher  
 RAM - 128 MB  
 HDD - 30 MB available  
 CD-ROM Drive  
 Dedicated Serial COM port  
 PVC Card Printer (optional)  
 VGA monitor (or better)  
 Common Printer (optional)

## Software Requirements

OS - Windows 2000, with latest Service Pack  
 MS Office 2002 (including Access Database) with latest service pack  
 Internet Explorer Version 6 or higher  
 Internet connection recommended for downloading updates  
 MDAC components (v 2.7 included with iCLASS setup)  
 .NET framework (v 1.0 is included with iCLASS setup)  
 User must have Local Machine Administrative rights for iCLASS installation and secure database administration

## Dimensions (Programmer Stand)

158 cm H x 109 cm D x 127 cm H (6.25"H x 4.3"D x 5"W )

## Weight

295 g (10.4 oz)

## Material

Reader: Polycarbonate UL 94  
 Stand: PVC

## Power Supply

Input: 90-264VAC 50/60 Hz, US Plug (AC cord can be changed in the field)  
 Output: 12VDC, Connector: 0.0219", Shell: +  
 Current Draw: 100 mAmps at 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)



**ACCESS** experience.

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For best results, please print on recycled paper.

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