



## ENCODER PLATFORM FOR PROGRAMMING CONTACTLESS CREDENTIALS

- **Dynamic** – Support for a wide range of credential technologies, including iCLASS® Seos®, iCLASS SE®, iCLASS®, MIFARE Classic and MIFARE DESFire® EV1 from single encoder.
- **Flexible** – Manage custom keys locally or leverage HID standard and Elite keys.
- **Convenient** – On-site programming of card stock speeds up the delivery time to obtain and issue cards.
- **Seamless** – Encode multi-tech credentials in a single pass, saving time and resources.

HID Global's iCLASS SE® Encoder is an ideal solution for organizations to encode credentials and configure readers. Highly versatile, the encoder can locally manage HID Global standard Keys, Elite Keys or securely define and manage custom keys.

The dynamic iCLASS SE Encoder has the capability to encode and manage a wide variety of credential technologies, interoperable with iCLASS SE readers.

This convenient solution allows organizations to migrate from one card technology to another by enabling management of multi-tech cards in a single encoding pass. Organizations can use their existing access control credential data alongside a more secure card technology on the same card.

The solution allows users to upgrade existing card populations for use with higher security iCLASS SE Platform readers. That same flexibility also supports new credential technologies as they arise.

The iCLASS SE Encoder simplifies the complex task of encoding smart card credentials. Utilize pre-defined format templates, eliminating the need to understand access control formatting and card numbering schemes.

The encoder also provides a powerful tool to manage keys on a HID Global reader whether the organization is using a standard, Elite, or custom key. By simply encoding a configuration card, keys can be transferred securely to a reader or group of readers.

The iCLASS SE Encoder solution is available as a desktop device as the CP1000 or as an in-line encoder within a FARGO card printer. The in-line encoder enables organizations to graphically and electronically personalize smart cards in one seamless process, saving time and energy.

**ADDITIONAL FEATURES:**

- Program credentials with standard, Elite or custom keys
- Support for multiple access control formats
- Supports the programming of Genuine HID® or third party cards.
- Flexibly manage data for uses other than access control on contactless cards such as iCLASS® Seos® (i.e. time and attendance)

### MORE SECURE, TRUST-BASED SECURITY

- EAL5+ certified hardware provides tamper-proof protection of keys and cryptographic operations to guard against cloning and other breaches.
- Multi-layered security model with secure key management system, breach resistant technology and enhanced privacy protection.
- Field programmable and upgradeable featuring open and configurable SIOs<sup>®</sup> as well as a smart card technology migration path.

### ENCODER CREDENTIAL TECHNOLOGY SUPPORT

	Access Control Data		Other Data
	Application Type	Key Types	
HID Prox <sup>®</sup>	Legacy	Not Supported	Not Supported
iCLASS <sup>®</sup>	Legacy	Standard, Elite, and Custom	▪
iCLASS SE <sup>®</sup>	SIO	Standard, Elite, and Custom	▪
iCLASS Seos <sup>™</sup>	SIO	Standard, Elite, and Custom	Coming Soon
MIFARE <sup>™</sup> Classic <sup>1</sup>	Legacy/SIO	Standard, Elite, and Custom	▪
MIFARE DESFire <sup>™</sup> EV1	SIO	Standard, Elite, and Custom	▪

<sup>1</sup> Elite and Custom Key Types Only Supported for SIO PACS Applications



### SPECIFICATIONS

<b>Model Number</b>	CP1000 (iCLASS SE Desktop Encoder)
<b>Encoder Hardware</b>	
<b>Dimensions</b>	2.79" x 3.66" x 0.63" (71 mm x 93 mm x 16 mm)
<b>Weight</b>	Approx. 3.53 oz (100 g)
<b>Power Supply</b>	Bus Powered
<b>Operating</b>	32° - 158° F (0° - 70° C)
<b>Status Indicators</b>	Dual color LED
<b>Connector / Cable Length</b>	USB Type A Connector / 78.7" (200 cm)
<b>Host Interface</b>	
<b>Host Interface</b>	USB 2.0 (also compliant with USB 1.1)
<b>Contactless Smart Card Interface</b>	
<b>Smart Card Technologies</b>	ISO14443A/B ISO15693
<b>Supported Credentials</b>	HID: iCLASS <sup>®</sup> Standard/SE/SR; iCLASS Seos, MIFARE Classic <sup>®</sup> , MIFARE Plus <sup>®</sup> , MIFARE DESFire <sup>®</sup> , MIFARE DESFire <sup>®</sup> EV1 and HID Prox <sup>®</sup>
<b>Supported API's</b>	PC/SC (ready for 2.0/ CCID mode)
<b>PC / SC Driver Support</b>	Compliant with native OS CCID drivers (in CCID mode). HID proprietary PC/SC drivers available for: Windows <sup>®</sup> XP / Vista / 7 (32 bit / 64 bit), 2003 Server, 2008 R2 Server, Linux <sup>®</sup> (32 / 64 bit, incl. Debian 6.0, Fedora 15, OpenSUSE 11.4, Ubuntu 11.04) & Mac <sup>®</sup> OS X (10.5 Leopard and higher, Intel 32 / 64 bit)
<b>Global Certifications</b>	UL Recognition (Recognized Component) to UL294 for the USA and CSA C22.2 No. 205 for Canada. CE, FCC 47 Part 15 modular approval, RoHS, WEEE
<b>Warranty</b>	Two-year manufacturer's warranty. (For drivers and software, see complete lifetime support policy)



hidglobal.com

North America: +1 949 732 2000  
Toll Free: 1 800 237 7769  
Europe, Middle East, Africa: +44 1440 714 850  
Asia Pacific: +852 3160 9800  
Latin America: +52 55 5081 1650

© 2015 HID Global Corporation/ASSA ABLOY AB. All rights reserved. HID, HID Global, the HID Blue Brick logo, the Chain Design, Trusted Identity Platform, TIP, Secure Identity Object, SIO, Genuine HID, HID Secure Identity Services, HID Prox, iCLASS SE, iCLASS, and iCLASS Seos are trademarks or registered trademarks of HID Global or its licensor(s)/supplier(s) in the US and other countries and may not be used without permission. All other trademarks, service marks, and product or service names are trademarks or registered trademarks of their respective owners.  
2015-03-30-iclass-se-encoder-c1000-ds-en PLT-01487

An ASSA ABLOY Group brand

ASSA ABLOY