



CP1000 iCLASS SE® Encoder



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.

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)

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.

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[®] as well as a smart card technology migration path.

ENCODER CREDENTIAL TECHNOLOGY SUPPORT

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

¹ Elite and Custom Key Types Only Supported for SIO PACS Applications



SPECIFICATIONS

Model Number	CP1000 (iCLASS SE Desktop Encoder)
Encoder Hardware	
Dimensions	2.79" x 3.66" x 0.63" (71 mm x 93 mm x 16 mm)
Weight	Approx. 3.53 oz (100 g)
Power Supply	Bus Powered
Operating	32° - 158° F (0° - 70° C)
Status Indicators	Dual color LED
Connector / Cable Length	USB Type A Connector / 78.7" (200 cm)
Host Interface	
Host Interface	USB 2.0 (also compliant with USB 1.1)
Contactless Smart Card Interface	
Smart Card Technologies	ISO14443A/B ISO15693
Supported Credentials	HID: iCLASS [®] Standard/SE/SR; iCLASS Seos, MIFARE Classic [®] , MIFARE Plus [®] , MIFARE DESFire [®] , MIFARE DESFire [®] EV1 and HID Prox [®]
Supported API's	PC/SC (ready for 2.0/ CCID mode)
PC / SC Driver Support	Compliant with native OS CCID drivers (in CCID mode). HID proprietary PC/SC drivers available for: Windows [®] XP / Vista / 7 (32 bit / 64 bit), 2003 Server, 2008 R2 Server, Linux [®] (32 / 64 bit, incl. Debian 6.0, Fedora 15, OpenSUSE 11.4, Ubuntu 11.04) & Mac [®] OS X (10.5 Leopard and higher, Intel 32 / 64 bit)
Global Certifications	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
Warranty	Two-year manufacturer's warranty. (For drivers and software, see complete lifetime support policy)



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