

# Encoders

SAFLOK™ encoders are a vital component of all access control systems, transmitting information and commands to/from a credential. Each system is configured to suit the unique requirements of a property.



## Insertion Encoder

- Fastest encoder in the SAFLOK™ product line
- Durable and tested to one million cycles
- Virtually maintenance-free with maintenance only required for read head
- Uses card sensing-device that detects card direction without contact or wear on keycard surface
- Spring-loaded encoding/playback head adapts to variations in keycard thickness
- Reads upon insertion and checks code upon withdrawal; card slot illuminates green if validated and red if rejected
- Input/output for USB, serial, or TCP/IP connectivity
- Encodes data to track 3
- Granted both utility and design patent

Dimensions	4.9"H x 3.9"D x 4"W
Power	6 V DC, .3 A
Keycards encoded	Smart, memory, and magstripe
Part #	CE6100
Connectivity	USB, serial, or TCP/IP
Keycard coercivity	Low-coercivity keys (300OE) Medium-coercivity keys (600OE)



## RFID Encoder

- Connects directly to PC via USB or to Ethernet network via TCP/IP
- Connects to DeskLinc™ via serial port
- Supports MIFARE (ISO 14443A) credentials
- Encodes a variety of RFID credentials, such as keycards, fobs, wristbands, etc.
- Used in conjunction with Quantum™, SAFLOK RT™ and MT™ RFID locks

Dimensions	6"H x 3.27"D x 1.49"W
Keycards encoded	MIFARE Mini, 1K, and 4K
Part #	CERF6000 - System 6000™ CERFS - DeskLinc™
Connectivity	To PC via USB or serial port; to Ethernet network via TCP/IP port

## Type 7 Encoder

- Three-track motorized magstripe encoder
- Connects directly to PC via USB or serial port or to Ethernet network via TCP/IP port
- Door lock information encoded on track 3 using custom format (non-ASCII and ABA format) to prevent magstripe and data skimming
- Ability to encode third party and point-of-sale device information on tracks 1 and 2 when connected to PMS/POS applications
- Spring-loaded encoding/playback head adapts to variations in keycard thickness
- Ejects keycards with errors or keycards not properly encoded from the back of the unit

Dimensions	3.62" H x 7.1" D x 4.05" W
Keycards encoded	Various, see table below
Part #	Various, see table below
Connectivity	To PC via USB or serial port; to Ethernet network via TCP/IP port

Type 7 encoder



## Type 7 RFID Encoder

- Contactless RFID encoder that supports MIFARE (ISO 14443A) credentials
- Encodes a variety of RFID credentials, such as keycards, fobs, wristbands, etc.
- Used in conjunction with Quantum™ RFID, SAFLOK RT™, or MT™ RFID locks

## Credentials Encoded

Part #	Encoder Type	Magstripe			SMART/Memory			MIFARE/RFID		
		3000E Low Coercivity	6000E Medium Coercivity	27500E (up to 40000E) High Coercivity	2Kb	8Kb	64Kb	Mini	1Kb	4Kb
CE4010	Magstripe encoder	•	•							
CE4020	Magstripe/Smart card encoder	•	•		•	•	•			
CE4030	HiCo magstripe/Smart card encoder			•	•	•	•			
CE4110	Magstripe/RFID encoder	•	•					•	•	•
CE4120	Magstripe/Smart card/RFID encoder	•	•		•	•	•	•	•	•
CE4130	HiCo magstripe/Smart card/RFID encoder			•	•	•	•	•	•	•

## RFID Credential Options

- MIFARE Mini: A cost-effective solution for guest keys. Available with generic printing, hotel chain logos, or custom printing
- MIFARE 1K: Ideal for staff use. Available as a fob (for extended-stay guests or staff) or wristbands (for resorts and waterparks)
- MIFARE 4K: Ideal for lock interrogation

Type 7 RFID encoder



For worldwide office locations and contact information, visit us at  
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Manufactured under one or more of the following patents:  
 U.S.: 4,177,657; 4,411,144; 4,534,194; 4,890,870; 5,198,643;  
 5,477,041; 5,820,177; 5,986,564; 7,051,561; D494,841; D501,131  
 D512,899; D519,021; D531,629; D533,009; D533,047; D533,762;  
 D533,763; D535,629 CANADA: 1,252,854; 1,298,902  
 U.K. 2,010,375  
 Other U.S. and foreign patents pending

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