

iCLASS SE® Biometric Reader



Compatible with bioCLASS and the interoperable ANSI-378 biometric template standard.

DISPLAY READERS FEATURING MULTI-FACTOR AUTHENTICATION CAPABILITIES

- **Powerfully Secure** – Supports breakthrough Seos® and iCLASS® card technologies and provides best practice standards for multi-layered authentication between card and reader.
- **Convenient** – Built-in field enrollment capabilities supports both access control verification and biometric templates.
- **More Private** – Fingerprint templates are stored on smart cards to alleviate privacy and database management concerns.

The iCLASS SE® Biometric Readers are capable of supporting up to three-factor authentication and user interaction. These display readers can be configured to support card/biometric fingerprint, card/PIN or card/fingerprint/PIN.

The iCLASS SE Biometric reader allows for seamless migration from bioCLASS® readers and supports the most recent biometric template standards. Biometric template storage on the smart card reduces individual privacy and safety concerns, while ensuring faster throughput and easier system management. Built-in field enrollment capabilities provide a convenient enrollment experience.

SPECIFICATIONS

Model Name	RKLB40
Base Part Number	928N
13.56 MHz Credential Compatibility	•iCLASS® Seos® 8kB (iCLASS® Seos® 16kB NOT COMPATIBLE) •Standard iCLASS® 16-32k bit Access Control Application (iCLASS SE and 2k bit Standard iCLASS NOT COMPATIBLE)
125kHz Credential Compatibility	N/A
TYPICAL CONTACTLESS READ RANGE¹ - Single Technology ID-1 Cards	
iCLASS® Seos™	1.2" (3 cm)
iCLASS®	4.7" (12 cm)
DESFire® EV1 SE™	N/A
MIFARE® Classic SE™	N/A
HID Prox / AWID	N/A
EM4102	N/A
Mounting	Double-gang size; designed to mount on double (preferable for stable wall mount) or single-gang switch box
Color	Black
Keypad	Yes (illuminated, 4 x 3)
Display	Yes (illuminated)
Dimensions	4.8" x 6.1" x 1.2" (12.2 cm x 15.6 cm x 3.0 cm)
Product Weight (Terminal Strip)	16.0 oz (454 g)
Operating Voltage Range	+12VDC
Current Draw - Normal Standby Current ²	195mA
Current Draw - Maximum Average ³	255mA
Current Draw - Peak ⁴	320mA
Operating Temperature	14° to 122° F (-10° to 50° C)
Operating Humidity	5% to 95% relative humidity non-condensing
Storage Temperature	-67° to 185° F (-55° to 85° C)
Environmental Rating	UL 294 and IP55 indoor / outdoor ratings
Fingerprint Biometric Sensor Type	Optical
Biometric Authentication Compatibility	•ANSI-378 template stored on iCLASS Seos credential and verified on reader •bioCLASS® template stored on standard iCLASS credential and verified on reader (6180A enroller template is NOT COMPATIBLE)
Language Support	English, French, German, Spanish (International), Russian, Portuguese (Brazilian), Italian, Chinese (Simplified), Japanese, Korean
Communications	Wiegand, Clock-and-Data, (OSDP BIOREAD & BIOMATCH command and pivCLASS Embedded Authentication - NOT SUPPORTED)
Panel Connection	Terminal Strip
Certifications	UL294/cUL (US), FCC Certification (US), IC (Canada), CE (EU), RCM (Australia, New Zealand), SRRC (China), KCC (Korea), NCC (Taiwan), iDA (Singapore), RoHS, MIC (Japan), WPC (India), ANRT (Morocco)
Crypto Processor Hardware Common Criteria Rating	EAL5+
Patents	www.hidglobal.com/patents
Housing Material	UL94 Polycarbonate
UL Ref Number	RKLB40E
SRD & WPC Model	RKCLB40E
Warranty	Warranted against defects in materials and workmanship for one year (see complete warranty policy for details)

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- ¹ Read range listed is statistical mean rounded to nearest whole centimeter. HID Global testing occurs in open air. Some environmental conditions, including metallic mounting surface, can significantly degrade read range and performance; plastic or ferrite spacers are recommended to improve performance on metallic mounting surfaces.
- ² Standby AVG - RMS current draw without a card in the RF field.
- ³ Maximum AVG - RMS current draw during continuous card reads. Not evaluated by UL.
- ⁴ Peak - highest instantaneous current draw during RF communication.

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