

iCLASS SE® Biometric & Display Readers



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. Open Supervised Device Protocol (OSDP) protects the full range of the communication from reader to controller.

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

The iCLASS SE® Biometric and iCLASS SE Display 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. Both have advanced security features and optionally support OSDP, to protect communications from reader to controller.

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.

The LCD display supports display of text via OSDP commands (additional software and hardware required). This enables Physical Access Control System (PACS) software and controller vendors to offer applications such as customized employee communications, time and attendance and cashless vending.



SPECIFICATIONS

Model Name	RKLB40	RKL40 ⁵	RPKL40 ⁵
Base Part Number	928N	929N	929P
13.56 MHz Credential Compatibility	<ul style="list-style-type: none"> 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) 	<ul style="list-style-type: none"> Secure Identity Object[®] (SIO[®]) on iCLASS[®] Seos[®], iCLASS SE[®]/SR, MIFARE[®] DESFire[®] EV1 and MIFARE Classic MIFARE and MIFARE DESFire EV1 custom data models <ul style="list-style-type: none"> standard iCLASS Access Control Application ISO14443A (MIFARE) CSN, ISO14443B CSN, ISO15693 CSN <ul style="list-style-type: none"> FeliCa 4 CSN, CEPAS4 CSN or CAN 	
125kHz Credential Compatibility	N/A	N/A	HID Prox, AWI, EM4102
TYPICAL CONTACTLESS READ RANGE¹ - Single Technology ID-1 Cards			
iCLASS [®] Seos [™]	1.2" (3 cm)	1.6" (4 cm)	
iCLASS [®]	4.7" (12 cm)	4.7" (12 cm)	
DESFire [®] EV1 SE [™]	N/A	1.6" (4 cm)	
MIFARE [®] Classic SE [™]	N/A	1.6" (4 cm)	
HID Prox / AWID	N/A		2.8" (7 cm)
EM4102	N/A		3.1" (8 cm)
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)	12.9 oz (366 g)	13.0 oz (368 g)
Operating Voltage Range	+12VDC		
Current Draw - Normal Standby Current ²	195mA	170mA	
Current Draw - Maximum Average ³	255mA	185mA	
Current Draw - Peak ⁴	320mA	250mA	
Operating Temperature	14° to 122° F (-10° to 50° C)	-4°F to 149°F (-20°C to 65°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	N/A	
Biometric Authentication Compatibility	<ul style="list-style-type: none"> 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) 	N/A	
Language Support	English, French, German, Spanish (International), Russian, Portuguese (Brazilian), Italian, Chinese (Simplified), Japanese, Korean		
Communications	Wiegand, Clock-and-Data, Open Supervised Device Protocol (OSPD) via RS485 ⁵ (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	RPKL40E	
SRD & WPC Model	RKCLB40E	RPKCL40E	
Warranty	Warranted against defects in materials and workmanship for one year (see complete warranty policy for details)		

- 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. ¹
- 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.
- ⁵ Coming soon, contact your HID Sales Representative.

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