



multiCLASS SE® Readers

SKU#:



HID Global's iCLASS SE® platform goes beyond the traditional smart card model to offer a secure, standards-based and flexible platform that has become the new benchmark for highly adaptable, interoperable and secure access control solutions. multiCLASS SE® readers simplify migration from legacy technologies with support 125 kHz for HID Prox, Indala, AWID and EM4102, and provide customers the assurance that their existing investments can be leveraged to enhance their system as business requirements change.

The technology independent readers also support iCLASS® Seos™ and iCLASS SE credential platforms, as well as standard iCLASS, MIFARE and MIFARE DESFire EV1 with custom data models and other leading technologies.

Features

- **Powerfully Secure** – Provides layered security beyond the card media for added protection to identity data using SIOs.
- **Adaptable** – Interoperable with a growing range of technologies and form factors including mobile devices utilizing Seos™.
- **Interoperable** – Open Supervised Device Protocol (OSDP) for secure, bidirectional communication.
- **Streamlined Migration** – Simultaneous support for 125 kHz HID Prox®, Indala®, AWID and EM4102 for seamless migration; field programmable for secure upgrades and extended lifecycle.



SPECIFICATIONS

	RP10	RP15	RP30	RP40	RPK40
Base Part Number	900P 900L	910P 910L	930P 930L	920P 920L	921P 921L
	13.56 MHz Single Technology ID-1 Credentials (Cards) – SIO Model Data				
	iCLASS SE@: 2.5" (6.4 cm) SE for DESFire@ EV1: 1" (2.5 cm) SE for MIFARE@ Classic: 2.3" (5.8 cm)	iCLASS SE@: 2.5" (6.4 cm) SE for DESFire@ EV1: 1" (2.5 cm) SE for MIFARE@ Classic: 2.3" (5.8 cm)	iCLASS SE: 3.3" (8.4 cm) SE for DESFire@ EV1: 2" (5.1 cm) SE for MIFARE Classic: 2.3" (5.8 cm)	iCLASS SE: 4.5" (11.4 cm) SE for DESFire@ EV1: 2" (5.1 cm) SE for MIFARE Classic: 4" (10.1 cm)	iCLASS SE: 4.5" (11.4 cm) SE for DESFire@ EV1: 2" (5.1 cm) SE for MIFARE Classic: 4" (10.1 cm)
	13.56 MHz Single Technology Tags/Fobs – SIO Data Model				
	iCLASS SE: 1" (2.5 cm) SE for MIFARE Classic: 0.5" (1.3 cm)	iCLASS SE: 1" (2.5 cm) SE for MIFARE Classic: 0.5" (1.3 cm)	iCLASS SE: 1.5" (3.8 cm) SE for MIFARE Classic: 1" (2.5 cm)	iCLASS SE: 2.3" (5.8 cm) SE for MIFARE Classic: 1.5" (3.8 cm)	iCLASS SE: 2.3" (5.8 cm) SE for MIFARE Classic: 1.5" (3.8 cm)
	125 kHz Single Technology ID-1 Credentials (Cards) – Respective Prox Data Model				
Typical Read Range1 (inches)	HID Prox / AWID: 2" (5.1 cm) Indala Prox: 1" (2.5 cm) EM4102: 3.5" (8.9 cm)	HID Prox / AWID: 2" (5.1 cm) Indala Prox: 1" (2.5 cm) EM4102: 3.5" (8.9 cm)	HID Prox / AWID: 2.3" (5.8 cm) Indala Prox: 1" (2.5 cm) EM4102: 2" (5.1 cm)	HID Prox / AWID: 2.5" (6.4 cm) Indala Prox: 1" (2.5 cm) EM4102: 4" (10.2 cm)	HID Prox / AWID: 2.5" (6.4 cm) Indala Prox: 1" (2.5 cm) EM4102: 3" (7.6 cm)
	125 kHz Single Technology Tags/Fobs – Respective Prox Data Model †				
	HID Prox / AWID: 1" (2.5 cm) Indala Prox: 0.5" (1.3 cm) EM4102: 1.3" (3.3 cm)	HID Prox / AWID: 1" (2.5 cm) Indala Prox: 0.5" (1.3 cm) EM4102: 1.3" (3.3 cm)	HID Prox / AWID: 1.3" (3.3 cm) Indala Prox: 0.5" (1.3 cm) EM4102: 1.3" (3.3 cm)	HID Prox / AWID: 1.5" (3.3 cm) Indala Prox: 0.5" (1.3 cm) EM4102: 2.3" (5.8 cm)	HID Prox / AWID: 1.5" (3.3 cm) Indala Prox: 0.5" (1.3 cm) EM4102: 2.3" (5.8 cm)
Mounting	Mini-Mullion Size; physically HID's smallest iCLASS readers and are ideally suited for mullion-mounted door installations, U.S. single-gang J-box (with mud ring) or any flat surface	Mullion Size; physically HID's second smallest iCLASS readers and are ideally suited for mullion-mounted door installations, U.S. single-gang J-box (with mud ring) or any flat surface	EU / APAC Square Size; 83.8 mm (3.3") square reader is designed to mount to and cover standard European and Asian back boxes	Wall Switch Size; designed to mount and cover single gang switch boxes primarily used in the Americas and includes a slotted mounting plate for European and Asian back box spacing	
Color	Black or Gray				
Keypad	No			Yes (4x3)	
Dimensions	1.9" x 4.1" x 0.9" 4.8 cm x 10.3 cm x 2.3 cm	1.9" x 6.0" x 0.9" 4.8 cm x 15.3 cm x 2.3 cm	3.3" x 3.3" x 0.9" 8.4 cm x 8.4 cm x 2.3 cm	3.3" x 4.8" x 1.0" 8.4 cm x 12.2 cm x 2.4 cm	3.3" x 4.8" x 1.1" 8.5 cm x 12.2 cm x 2.8 cm
Product Weight (Pigtail)	4.0oz (114g)	5.2oz (149g)	5.3oz (151g)	7.8oz (222g)	9.1oz (258g)
Product Weight(Terminal Strip)	3.0oz (85g)	4.3oz (124g)	4.1oz (118g)	7.6oz (216g)	8.0oz (228g)
Operating Voltage Range	5-16 VDC, Linear supply recommended				
Current Draw – Standard Power Mode² (mA)	75	75	85	85	95



Current Draw - Intelligent Power Management (IPM) Mode2 (mA)	40	40	50	50	70
Peak Current Draw - Standard Power or IPM Mode2 (mA)	200	200	200	200	200
NSC³ Power Consumption - Standard Power Mode (W @ 16VDC)	1.2	1.2	1.4	1.4	1.5
NSC³ Power Consumption - w/ IPM (W @ 16VDC)	0.6	0.6	0.8	0.8	1.1
Operating Temperature	-31° to 150° F (-35° to 65° C)				
Storage Temperature	-67° to 185° F (-55° to 85° C)				
Operating Humidity	5% to 95% relative humidity non-condensing				
Environmental Rating	Indoor/Outdoor IP55; IP65 if installed with optional gasket (IP65GSKT)				
Transmit Frequency	13.56 MHz & 125 kHz				
13.56 MHz Card Compatibility	Secure Identity Object™ (SIO®) on iCLASS Seos, iCLASS SE/SR, MIFARE DESFire EV1 and MIFARE Classic (On by Default) - standard iCLASS Access Control Application (order with Standard interpreter) - ISO14443A (MIFARE) CSN, ISO14443B CSN, ISO15693 CSN - Mifare and Mifare DESFire EV1 custom data models - FeliCa™4 CSN, CEPAS4 CSN or CAN				
125 kHz Card Compatibility	HID Prox, AWID, Indala, EM4102				
Communications	Optional OSDP with SCP over RS485 Wiegand/Clock-and-Data Interface 500ft (150m) (22AWG) - Use Shielded cable for best results				
Panel Connection	Pigtail or Terminal Strip				
Certifications	UL294/cUL (US), FCC Certification (US), IC (Canada), CE (EU), C-tick (Australia, New Zealand), SRRC (China), MIC (Korea)4, NCC (Taiwan)4, iDA (Singapore)4, RoHS, FIPS-201 Transparent FASC-N Reader				
Crypto Processor Hardware Common Criteria Rating	EAL5+				
Patents	US7180403, US7439862, US7124943, US5952935, US6058481, US6337619				
Housing Material	UL94 Polycarbonate				
Manufactured with % of recycled content (Pigtail)	10.5%	11.0%	11.0%	10.5%	10.9%
Manufactured with % of recycled content (Terminal Strip)	10.5%	11.0%	10.0%	11.0%	12.3%
UL Ref Number	RP10E	RP15E	RP30E	RP40E	RPK40E
	Limited Lifetime				