



# iCLASS SE multiCLASS Reader RP10 (900P)

iCLASS SE multiCLASS RP10 Contactless Smart Card Reader, Mini-Mullion

## Setting the standard

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.

## Highly adaptable

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.

## Mobile ready

Additionally, multiCLASS SE readers support mobile devices utilizing Seos, enabling a new class of portable identity credentials that can be securely provisioned and safely embedded into both fixed and mobile devices.

## Powerfully secure

As part of HID Global's iCLASS SE platform that is based on the Secure Identity Object™ (SIO®) data model and Trusted Identity Platform® (TIP™), the powerfully secure iCLASS SE readers offer advanced features such as layered security beyond the card media and tamper-proof protection of keys/cryptographic operations using EAL5+ secure element hardware.



- Field programmable readers – provides secure upgrades for migration and extended lifecycle
- Interoperable with a growing range of technologies (iCLASS® Seos™ and iCLASS SE® credential platforms, standard iCLASS®, MIFARE®, and MIFARE DESFIRE® EV1 with custom data models), as well as support for 125 kHz HID Prox, Indala, AWID and EM4102
- Intelligent power management
- EAL5+ certified security element hardware
- OSDP enabled (optional)

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Typical Read Range	iCLASS SE®: 6.4 cm, SE for DESFire® EV1: 2.5 cm, SE for MIFARE® Classic: 5.8 cm (13.56 MHz Single Technology ID-1 Credentials (Cards) – SIO Model Data)
	iCLASS SE: 2.5 cm, SE for MIFARE Classic: 1.3 cm (13.56 MHz Single Technology Tags/Fobs – SIO Data Model)
	HID Prox / AWID: 5.1 cm, Indala Prox: 2.5 cm, EM4102: 8.9 cm (125 kHz Single Technology ID-1 Credentials (Cards) – Respective Prox Data Model)
	HID Prox / AWID: 2.5 cm, Indala Prox: 1.3 cm, EM4102: 3.3 cm (125 KHz Single Technology Tags/Fobs – Respective Prox Data Model)
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
Color	Black
Keypad	No
Dimensions	4.8 cm x 10.3 cm x 2.3 cm
Product Weight (Pigtail)	114g
Product Weight (Terminal Strip)	85g
Operating Voltage Range	5-16 VDC, Linear supply recommended
Current Draw - Standard Power Mode (mA)	75
Current Draw - Intelligent Power Management (IPM) Mode (mA)	40
Peak Current Draw - Standard Power or IPM Mode (mA)	200
NSC Power Consumption - Standard Power Mode (W @ 16VDC)	1.2
NSC Power Consumption - w/ IPM (W @ 16VDC)	0.6
Operating Temperature	-35° to 65° C
Storage Temperature	-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)
	MIFARE and MIFARE DESFire EV1 custom data models
	Standard iCLASS Access Control Application (order with Standard interpreter)
	ISO14443A (MIFARE) CSN, ISO14443B CSN, ISO15693 CSN
	Mifare and Mifare DESFire EV1 custom data models
	FIPS-201 Credentials including PIV, PIV-I, CIV, CAC, TWIC, FRAC; Contactless Interface
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), SRRCC (China), MIC (Korea)****, NCC (Taiwan)****, IDA (Singapore)****, RoHS , FIPS-201 Transparent FASC-N Reader
Crypto Processor Hardware Common Criteria Rating	EAL5+
Housing Material	UL94 Polycarbonate

- iCLASS SE multiCLASS Reader RP10 (900P) iCLASS SE multiCLASS Reader RP10 Contactless Smart Card Reader, Mini-Mullion
- iCLASS SE multiCLASS Reader RP15 (910P) iCLASS SE multiCLASS Reader RP15 Contactless Smart Card Reader, Mullion
- iCLASS SE multiCLASS Reader RP30 (920P) iCLASS SE multiCLASS Reader RP30 Contactless Smart Card Reader, EU/Asia Square
- iCLASS SE multiCLASS Reader RP40 (930P) iCLASS SE multiCLASS Reader RP40 Contactless Smart Card Reader, Wall Switch
- iCLASS SE multiCLASS Reader RPK40 (940P) iCLASS SE multiCLASS Reader RPK40 Contactless Smart Card Keypad Reader, Wall Switch



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