



iCLASS SE[®] & multiCLASS SE[®] Decor Reader

Key Features

- Sustainable design – technology-independent reader with stylish form factor and flush mounting
- Integrator kit available for mounting third-party face plates – seamlessly fits light switch frames as well as most intercom systems
- Multi-technology reader for the widest variety of credential support include HID Mobile Access[®], Seos[®], iCLASS SE[®], MIFARE[®], DESFire[®] EV1/EV2, HID Proximity and EM Proximity.
- Provides secure upgrades for migration and an extended life cycle
- Supports mobile access applications
- Features field programming capability with enhanced functionality for future applications
- Includes intelligent power management and recycled content for sustainability

FLUSH-MOUNTED iCLASS SE[®] READER

- **Stylish form factor with flush mounting** – designed to fit within a standard wiring box using a snap on front bezel and faceplate that is flush with the surface of the wall
- **Adaptable** – Interoperable with HID Mobile Access[®], and a growing range of form factors and technologies (Seos[®], iCLASS SE[®], standard iCLASS[®], MIFARE[®], MIFARE DESFire[®] EV1/EV2 with custom data models, HID Proximity and EM Proximity).
- **Seamless upgrades** – Readers are field programmable, providing secure upgrades for migration and extended lifecycle.
- **Standardized communications** – Includes Open Supervised Device Protocol (OSDP) for secure, bidirectional communication.

The iCLASS SE[®] Decor reader is a flush-mounted or inset reader designed to meet the security needs of an organization, while providing a sleek new design for various architectural and style requirements.

Ideal for new and existing installations, the iCLASS SE Decor reader provides customers the assurance that their existing investments can be leveraged to enhance their system as business requirements change. The technology-independent reader supports HID Mobile Access[®], Seos[®], iCLASS SE, standard iCLASS[®], MIFARE[®], MIFARE DESFire[®] EV1/EV2 credentials and legacy HID Proximity and EM Proximity.

Additionally, the Decor reader can be used with multiple form factors, including smartphones and other mobile devices utilizing Seos.

This enables a new class of portable identity credentials that can be securely provisioned and safely embedded into both fixed and mobile devices.

The reader is part of HID Global's iCLASS SE[®] platform that is based on HID's Secure Identity Object[™] (SIO[®]) data model and Trusted Identity Platform[®] (TIP[™]). The standards-based and flexible platform goes beyond the traditional smart card model to offer highly adaptable, interoperable and secure access control solutions.

Powerfully secure the iCLASS SE Decor reader offers advanced features such as multi-layered security beyond the card media and protection of keys/ cryptographic operations using EAL5+ secure element hardware.

POWERFULLY SECURE:

- Multi-Layered Security – Ensures data authenticity and privacy through the multi-layered security of HID's SIO.
- EAL5+ Certified Secure Element Hardware – Provides tamper-proof protection of keys/cryptographic operations.
- Secured communications using OSDP with Secure Channel Protocol.
- Expanded iCLASS Elite™ Program – Extends private security by protecting uniquely keyed credentials, SIOs and programming keys.

HIGHLY ADAPTABLE:

- Mobile device support using card emulation - enabling HID access control.
- Allows for support of future technologies.
- Simultaneous support for 125kHz HID Prox, and EM4102.

- Field Programmable Readers – Provides secure upgrades for migration and extended lifecycle.
- Intelligent Power Management (IPM) – Reduces reader power consumption by as much as 75% compared to standard operating mode.
- Recycled Content – Contributes toward building LEED credits.

INTEROPERABLE:

- SIO Media Mapping – Simplifies deployment of third-party objects to multiple types of credentials.
- Industry standard communications using OSDP.
- Custom programming support to read models on MIFARE and MIFARE DESFire EV1/EV2 credentials



SPECIFICATIONS

Model Name	R95A	R95B / RP95B
Typical Read Range*	13.56MHz Single Technology ID-1 Cards – SIO Data Model	
	iCLASS Seos: 1.2" (3 cm) iCLASS: 3.1" (8 cm) MIFARE Classic: 3.1" (8 cm) MIFARE DESFire EV1: 1.2" (3 cm)	
	13.56 MHz Single Technology Tags/Fobs – SIO data Model	
	iCLASS: 2.0" (5 cm) MIFARE Classic: 2.0" (5 cm)	
Colour	Not Applicable	
	HID Proximity: 1.2" (3 cm) EM Proximity: 1.6" (4 cm)	
Keypad	White, Black, Light Grey	
Keypad	No	
Product Weight (Terminal Strip)	Approx. 2.8 oz. (80 grams) (includes base reader module and cover assembly)	Approx. 3.5 oz. (100 grams) (includes base reader module and cover assembly)
Operating Voltage Range	5-16 VDC, Linear supply recommended	
Current Draw – Standard Power Mode*** (mA)	60 mA	75mA (R95B), 90mA (RP95B)
Current Draw – Intelligent Power Management (IPM) Mode*** (mA)	40 mA	80 mA
Peak Current Draw – Standard Power or IPM Mode*** (mA)	110 mA	165mA
NSC** Power Consumption – Standard Power Mode (W @ 16VDC)	1.0	2.0
NSC** Power Consumption – w/ IPM (W@ 16VDC)	0.6	1.3
Operating Temperature	-31° to 150° F (-35° to 65° C)	-15° to 150° F (-25° to 65° C)
Storage Temperature	-67° to 185° F (-55° to 85° C)	
Operating Humidity	5% to 95% relative humidity non-condensing	
Transmit Frequency	13.56 MHz	13.56MHz (R95B), 13.56 MHz, 125kHz (RP95B), 2.4 - 2.480 GHz (BLE)
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 Classic and MIFARE DESFire EV1 custom data models - standard iCLASS Access Control Application (order with Standard interpreter) - ISO14443A (MIFARE) CSN, ISO14443B CSN, ISO15693 CSN - MIFARE DESFire EV2 via EV1 backward compatibility	
125 kHz Card compatibility	Not Applicable	HID Prox (RP95B), EM4102 (RP95B)
Communications	Optional OSDP with SCP over RS485 Wiegand/Clock-and-Data Interface 500ft (150m) (22AWG) - Use shielded cable for best results	
Panel Connection	Terminal Strip	
Certifications	FCC Certification (US), IC (Canada), CE Mark (EU) & RCM Mark (Australia & New Zealand), RoHS2 & RoHS3, REACH	CE Mark (EU) & RCM Mark (Australia & New Zealand), RoHS2 & RoHS3, REACH
Crypto Processor Hardware Common Criteria Rating	EAL5+	
Patents	US7124943, US6058481, US6337619	
Housing Material	UL94 Polycarbonate	
Manufactured with % of recycled content (Terminal Strip)	10%	
Sustainability	WEEE, RoHS, REACH	
UL Ref Number	RA30E	RPA30E
Warranty	Limited Lifetime	

* 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.

** NSC = Normal Standby Current

*** Measured in accordance with UL294 standards

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2020-04-24-pacs-iclass-se-decor-reader-ds-en PLT-01902



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