HID®

iCLASS SE® Express R10

MULLION READER FOR SECURE HIGH FREQUENCY CREDENTIALS

- **Cost-Effective Platform –** designed for secure card or mobile credential deployments
- **Simplified Bluetooth Configuration –** streamlines the selection, ordering and management of reader inventory
- **Made for Seos -** strong performance with advanced Seos credential technology.

The iCLASS SE® Express R10 is designed to simplify the selection process by offering a cost-effective fixed configuration that combines Seos physical card credential compatibility along with Bluetooth Low Energy (BLE) and Near-Field-Communication (NFC) technologies to support HID Mobile Access®.

To support niche low security applications, an option is also available to read credentials with ISO14443 unique identification (UID) number.

The hardware to support these technologies is fully integrated into the reader. To further simplify the ordering process, Wiegand output and pigtail connection are standardized for this model.

Though the configuration is straightforward, the use of advanced Seos credential technology provides peace of mind given the robust encryption, hardware security and multi-layered protection afforded by Seos

SPECIFICATIONS

Model Name	**R10**
Base Part Number	900NxxxxF
	13.56 MHz Single Technology ID-1 Cards
Typical Contactless Read Range[1]	iCLASS® Seos: 2" (5cm) MIFARE DESFire® EV1 / MIFARE DESFire EV2: 2" (5cm) MIFARE® Classic: 2" (5cm)
	13.56 MHz Single Technology Tags / Fobs
	iCLASS® Seos: 1.2" (3cm) MIFARE® Classic: 1.6" (4cm) Mobile IDs using Bluetooth & Seos[Gray fill] Twist and Go 6.6ft (2m) Tap 5.9" (15cm)
Mounting	Ideally suited for mullion-mounted door installations or any flat surface
Color	Black
Keypad	No
Dimensions	1.9" x 4.1" x 0.9" (4.8 cm x 10.3 cm x 2.3 cm)
Product Weight (Pigtail)	92g
Operating Voltage	12V
Current Draw - Standard Power Mode[2] (mA)	46 @ 12V
Current Draw - Intelligent Power Management (IPM) Mode[2] (mA)	28 @ 12V
Peak Current Draw - Standard Power or IPM Mode[2] (mA)	250 @ 12V
NSC[3] Power Consumption - Standard Power Mode (W)	0.55 @ 12V
NSC[3] Power Consumption - w/ IPM (W)	0.35 @ 12V
Operating Temperature	-35°C to +65°C
Storage Temperature	-40°C to +85°C
Operating Humidity	5% to 95% relative humidity non-condensing
Environmental Rating	Environmental Rating Indoor/Outdoor IP55; IP65, if installed with optional gasket IP65 Transmit Frequency
Transmit Frequency	13.56 MHz, 2.4GHZ
13.56 MHz Card Compatibility	Secure Identity Object™ (SIO) on Seos® ISO14443A (MIFARE CLASSIC, MIFARE DESFire EV1 & MIFARE DESFire EV2) UID
Communications	Wiegand
Panel Connection	Pigtail
Reader Management	HID Reader Manager Mobile App for configuration, firmware upgrade and diagnostics
Certifications	UL294/cUL (US), FCC Certification (US), IC (Canada), CE (EU), RCM (Australia, New Zealand), RoHS
Cryto Processor Hardware Common Criteria Rating	EAL5+
Patents	www.hidglobal.com/patents
Housing Material	UL94 Polycarbonate
UL Ref Number	R10F
Warranty	Limited Lifetime

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 *Measured in accordance with UL294 standards; see Installation Guide for details.*
3 *NSC = Normal Standby Current; see Installation Guide for details.*

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