

900NTNNEK00342

HID iCLASS SE R10, minimullion, Wie, pigtail , black

Product overview

HID Global's iCLASS SE access control 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.

Ideal for new and existing installations

iCLASS SE readers 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, MIFARE DESFire EV1 and other leading technologies.

New technology

Additionally, iCLASS SE readers support Near Field Communication (NFC) smartphones via Seos, enabling a new class of portable identity credentials that can be securely provisioned and safely embedded into both fixed and mobile devices.

Part of a larger platform

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

Easily Interfaced

iCLASS SE readers include Open Supervised Device Protocol (OSDP), a new Security Industry Association (SIA) standard that together with Secure Channel Protocol (SCP) provides secure communications and central management.



Details

- Powerfully Secure – Provides multi-layered security beyond the card technology, providing added protection to identity data using SIOs.
- Technology-independent – Supports multiple technologies (iCLASS® Seos™ and iCLASS SE credential platforms, standard iCLASS, MIFARE®, and MIFARE DESFire® EV1).
- Adaptable – Interoperable with a growing range of technology environments and form factors including NFC smartphones via Seos.
- Standardized Communications – Open Supervised Device Protocol (OSDP) for secure, bidirectional communication.

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Technical specifications

Technology

Reader type	Smart Card
Reader operating-transmitting frequency	13.56 MHz
Supported technology 13.56 MHz	CEPAS CSN or CAN, FeliCa CSN, iCLASS (CSN), iCLASS SE (CSN), iCLASS SR (CSN), MIFARE Classic (CSN), MIFARE DESFire EV1 (CSN), SEOS, SIO
Mifare type	ISO14443A, ISO14443B
No. of Mifare bytes CSN	4 Byte (S50), 7 Byte (S70)
Read write	No
SAM module embedded	No

System

Reading distance	13.56 MHz Single Technology Card (SIO Data Model): iCLASS SE 7.6 cm; DESFire EV1 5.1 cm; MIFARE Classic 5.8 cm, 13.56 MHz Single Technology Tag or Fob (SIO Data Model): iCLASS SE 3.3 cm; MIFARE Classic 1.3 cm
Max. reader distance to panel	152 m
RTE (Request To Exit)	No
CSN (Card Serial Number)	Yes
Custom data model	No
Vicinity type	ISO15693
No. of LEDs	1
No. of covers included	1

Interface & connections

Interface	Wiegand
Connector type	Pigtail
Pigtail length	46 cm

Tamper type

Pry-off tamper	Yes
Opening tamper	No

Operation

Stand-alone	No
PIN keypad	No

Electrical

Power supply type	VDC
Power supply value	5 to 16 VDC
Current consumption	60 mA @ 16 VDC

Physical

Physical dimensions	48 x 103 x 23 mm
Net weight	113 g
Shipping weight	153 g
Colour	Black
Material	Polycarbonate
Form factor	Minimullion
Mounting type	Surface Mount

Environmental

Operating temperature	-35 to +65°C
Storage temperature	-55 to +85°C
Relative humidity	5 to 95% noncondensing
Environment	Outdoor
IP rating	IP 55

Standards & regulation

Compliance	CE, FCC, FIPS 201, IC, iDA, KCC, MIC, NCC, RCM, RoHS, SRRC, UL 294
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Dimensions

4.8 cm x 10.3 cm x 2.3 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

Color

Black

Weight (Pigtail)

113 g

Weight (Terminal Strip)

84 g

Material

UL94 Polycarbonate

Panel Connection

Pigtail or Terminal strip depending on product type

Power Supply

5 - 16 VDC Linear Supply recommended

Standard Power Mode

Current Requirements

45/75 mA @ 12 VDC Avg/Peak

13,56 Mhz Card Compatibility

Secure Identity Object™ (SIO) on iCLASS SE/SR, SE for MIFARE DESFire EV1 and SE for MIFARE Classic (On by Default)

Standard iCLASS Access Control Application (order with Standard interpreter)

ISO14443A (MIFARE) CSN, ISO14443B CSN, ISO15693 CSN

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Typical Maximum Read Range

13.56 MHz Single Technology ID-1 Credentials (Cards) - SIO Data Model	iCLASS® SE™: 2.8" (7.1 cm)
	SE for DESFire® EV1: 1.6 (4.1 cm)
	SE for MIFARE® Classic: 2.6" (6.6 cm)

13.56 MHz Single Technology Tags/Fobs - SIO data Model	iCLASS SE: 1.5" (3.8 cm)
	SE for MIFARE Classic: 1.2" (3.0 cm)

Cable Distance

	150 m
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Operating Temperature

	-35° to 65° C
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Relative humidity non-condensing

	5% to 95%
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Transmit Frequency

	13.56 MHz
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Interface

	Wiegand or OSDP depending on product type
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Environmental Rating

	IP55
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HID Patent

	US7124943, US6058481, US6337619
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Trademarks

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