Contactless smart card reader – long range

R90



HIGHLY ADAPTABLE AND SECURE HIGH FREQUENCY ACCESS CONTROL SOLUTION

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.

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.

As part of HID Global's iCLASS SE® platform for advanced security, the readers utilize state-of-the-art authentication through the platform's Secure Identity Object (SIO) data model for trusted and secure communication between the card and reader to prevent unauthorized access. The iCLASS SE® reader line is built on the Security Industry Association (SIA) Open Supervised Device Protocol (OSDP) standard which also ensures secure transmission of data from the reader to the controller.

Additionally, iCLASS 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:

- 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 iCLASS Seos - enabling HID access control.
- Flexible to support future technologies.
- Field Programmable Readers – Provides secure upgrades for migration and extended lifecycle.

SUSTAINABILITY AND MANAGEMENT:

- 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 credentials.

Reader type	extended range

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Card standard	mifare desfire, HID® iCLASS® Seos®, HID® iCLASS SE®, HID® iCLASS®, HID Mobile Access®
Operating frequency	13,56 MHz, NFC
Read range	up to 36 cm
Supply voltage	12 V/24 V DC
Current load	110 mA
Tamper sensor	optical
Output interface	Wiegand, Open Supervised Device Protocol (OSDP), Clock and Data
Hardware connection	terminal strip
Color	black
Dimensions	333 mm x 333 mm x 39 mm
Weight	1844 g
Indoor /outdoor	for indoor and outdoor use
Temperature range	-35°C to 65°C
Humidity (non-condensing)	5% - 95%