multiCLASS SE® Readers

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.
- **Streamlined Migration** - Simultaneous support for 125 kHz HID Prox®, AWID and EM4102 for seamless migration; field programmable for secure upgrades and extended lifecycle.

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.

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 EVI with custom data models and other leading technologies.

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.

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 multiCLASS 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.

multiCLASS 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.

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.
- SIO Data Binding - Inhibits data cloning by binding an object to a specific credential.
- Secured communications using OSDP with Secure Channel Protocol.

HIGHLY ADAPTABLE:
- Mobile device support using card emulation - Enables HID access control.
- SIO Portability - Provides technology independence and portability to other smart card technologies.
- Upgradable Hardware Connection - Allows all Wiegand-based communication readers to expand communication capabilities to OSDP, Hi-O and other bidirectional protocols.
- Field Programmable Readers - Provides secure upgrades for migration and extended lifecycle.
- Customization and management from a central location - Enables organization to make changes and manage all attached OSDP readers over RS485 wiring.
- Simultaneous support for 125kHz HID Prox, AWID and EM4102.
- Allows for support of future technologies.

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 custom data models on MIFARE and MIFARE DESFire EVI credentials.
## SPECIFICATIONS

<table>
<thead>
<tr>
<th>Base Part Number</th>
<th>RP10</th>
<th>RP15</th>
<th>RP40</th>
<th>RPK40</th>
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</thead>
<tbody>
<tr>
<td><strong>IClass Seos</strong></td>
<td>12&quot; (3 cm)</td>
<td>12&quot; (3 cm)</td>
<td>20&quot; (5 cm)</td>
<td>16&quot; (4 cm)</td>
</tr>
<tr>
<td><strong>MIFARE Classic</strong></td>
<td>2.8&quot; (7 cm)</td>
<td>2.8&quot; (7 cm)</td>
<td>2.0&quot; (5 cm)</td>
<td>2.8&quot; (7 cm)</td>
</tr>
<tr>
<td><strong>MIFARE DESFire EV1</strong></td>
<td>1.2&quot; (3 cm)</td>
<td>1.2&quot; (3 cm)</td>
<td>2.0&quot; (5 cm)</td>
<td>1.6&quot; (4 cm)</td>
</tr>
<tr>
<td><strong>MIFARE DESFire EV2</strong></td>
<td>1.2&quot; (3 cm)</td>
<td>1.2&quot; (3 cm)</td>
<td>2.0&quot; (5 cm)</td>
<td>1.6&quot; (4 cm)</td>
</tr>
</tbody>
</table>

### SPECIFICATIONS

- **Color**: Black
- **Keypad**: No
- **Yes (4×3)**

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>1.9&quot; x 4.1&quot; x 0.9&quot;</th>
<th>1.9&quot; x 6.0&quot; x 0.9&quot;</th>
<th>3.3&quot; x 4.8&quot; x 1.0&quot;</th>
<th>3.3&quot; x 4.8&quot; x 1.1&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4.8 cm x 10.3 cm x 2.3 cm</td>
<td>4.8 cm x 15.3 cm x 2.3 cm</td>
<td>8.4 cm x 12.2 cm x 2.4 cm</td>
<td>8.5 cm x 12.2 cm x 2.8 cm</td>
</tr>
</tbody>
</table>

- **Product Weight (Pigtail)**: 4.0oz (114g)
- **5.0oz (149g)**
- **7.8oz (222g)**
- **9.0oz (258g)**

- **Product Weight (Terminal Strip)**: 3.0oz (85g)
- **4.3oz (124g)**
- **7.6oz (216g)**
- **8.0oz (228g)**

- **Operating Voltage Range**: 5-16 VDC, Linear supply recommended

- **Current Draw - Standard Power Mode**: 75 mA
- **Peak Current Draw**: 200 mA

- **NSC Power Consumption - Standard Power Mode (W @ 16VDC)**: 12 W

- **Operating Temperature**: -37º to 150º F (-35º to 65º C)

- **Storage Temperature**: -67º to 185º F (-55º to 85º C)

- **Operating Humidity**: 5% to 95% relative humidity non-condensing

- **Environmental Rating**: UL94 Polycarbonate

- **Manufactured with % of recycled content (Pigtail)**: 10.5%
- **11.0%**
- **10.5%**
- **10.9%**

- **Manufactured with % of recycled content (Terminal Strip)**: 10.5%
- **11.0%**
- **11.0%**
- **12.3%**

### Technology Features

- **Crypto Processor Hardware Common Criteria Rating**: EAL5+


- **Housing Material**: UL94 Polycarbonate

- **UL Ref Number**: RP10E

- **RP15E**

- **RP40E**

- **RPK40E**

### Certifications

- **UL294/cUL (US), FCC Certification (US), IC (Canada), CE (EU), C-tick (Australia, New Zealand)**

### Additional Information

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.
2. Measured in accordance with UL294 standards; See Installation Guide for Details.
4. **Emerald Green Certified**

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