



# iCLASS SE™ vs standard iCLASS® Feature Comparison Chart

| FEATURE  | BENEFIT   | <br>iCLASS SE™<br>Reader | <br>standard<br>iCLASS®<br>Reader |
|--|---|---|--|
| <b>SECURITY</b>                                      |   |   |  |
| Secure Identity Object™ (SIO) multi-layered security | Ensures data authenticity and privacy   | Yes   | No   |
| Trusted Identity Platform™ (TIP) Node                | Provides trusted identity within a secure ecosystem of interoperable products   | Yes   | No   |
| EAL5+ certified secure element hardware              | Tamper proof protection of keys and cryptographic operations  | Yes   | No   |
| SIO data binding                                     | Inhibits data cloning by binding an object to a specific credential   | Yes   | No   |
| Expanded iCLASS Elite™ program                       | Extends private security by protecting uniquely keyed credentials, SIOs, config and firmware update keys<br><br>*Elite Program is available for Standard iCLASS | Yes   | No*  |
| Velocity checking                                    | Provides breach resistance against electronic attacks   | Yes   | No   |
| Active tamper  | Protects against physical tampering of reader   | Yes   | No   |
| <b>USABILITY/PERFORMANCE</b>                         |   |   |  |
| Near Field Communication (NFC) card emulation        | Enables migration to HID access control on mobile devices   | Yes   | No   |

|   |   |                     |                |
|---|---|---------------------|----------------|
| SIO portability   | Provides technology independence and portability to multiple smart card technologies and other mobile devices   | Yes                 | No             |
| SIO media mapping   | Simplifies deployment of third-party objects to multiple types of credentials   | Yes                 | No             |
| SIO generators and interpreters   | Licensable technology, providing expansive ecosystem through SDKs and embedded products   | Yes                 | No             |
| Multi mode frequency prioritization   | Increases transaction performance and improves card management  | Yes                 | No             |
| Bi-Directional host communication (OSDP, Hi-O, RS232, RS485) & 125 kHz card compatibility | Simplifies reader offering and expands use of Prox and higher security connections  | Yes                 | No             |
| All models upgradeable to support bi-directional host communication                       | Product is easily upgraded to a secure and higher use communications  | Yes                 | No             |
| RP10 and RP30 models  | multiCLASS® functionality in new form factors create installation choices   | Yes                 | No             |
| Pigtail or Terminal strip connection options  | Reduces ordering caveats - makes option explanation simpler   | All Models          | Select Models  |
| Field programmable readers  | Provides secure upgrades for migration and extended lifecycle; i.e For standard iCLASS via programming cards - firmware & configuration; For iCLASS SE - via host communication (OSDP) - firmware & configuration, flash from panel | 13.56 Mhz & 125 kHz | 13.56 MHz only |
| RGB LED   | Delivers increasing capability to notify user and troubleshooters of system state   | Yes                 | No             |
| Reader/Card anti-passback LED user notification   | Provides clear feedback to user; troubleshooting assistance   | Yes                 | No             |
| Read progress notification using LED  | Provides clear feedback to user on new credentials requiring more read time   | All Cards           | PIV            |
| <b>SUSTAINABLE</b>  |   |                     |                |
| Simultaneous support for 125 kHz HID Prox, Indala, AWID and EM4102                        | Reduces SKUs (stocking) while simplifying migration/use (multi-Prox card population)  | Yes                 | No             |
| Intelligent Power Management (IPM)  | Provides reduction in power consumption by as much as 75% compared to standard operating mode   | Yes                 | No             |
|   | Contributes towards the building LEED   |                     |                |

|  |   |      |               |
|--|---|------|---------------|
| Recycled content                                 | credits for projects  | Yes  | No            |
| <b>CARD COMPATIBILITY</b>                        |   |      |               |
| Reads SIOs on iCLASS SE™ credentials             | Ensures new installations have highest security possible                                      | On   | Not Supported |
| Reads standard iCLASS access control application | Downgradable security option enables backward compatibility with existing iCLASS install base | Off* | On            |
| Reads MIFARE CSN                                 | Downgradable security option enables backward compatibility with existing iCLASS install base | Off* | On            |

\* Security can be downgraded in the field via configuration card to support these credential compatibilities