HID®

iCLASS SE®
Clamshell Card

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Clamshell Card

NEXT-GENERATION HIGH-FREQUENCY CONTACTLESS SMART CARD

- **Supports Secure Identity Object™ (SIO)** – Multi-layered security beyond the card technology, providing added protection to identity data.

- **Trusted Identity Platform® (TIP™) enabled** – Provides trusted identity within a secure ecosystem of interoperable products.

- **Supports future growth** – iCLASS® 13.56 MHz read/write contactless smart card technology with multiple, securely separated files enables multiple applications for future growth.

- **Durable** – Cost effective card package with an ABS shell construction for durability in harsh environments.

HID Global SIOs deliver three key benefits: portability, security and extensibility.

- SIOs are defined using open standards that can support any piece of data, including data for access control, biometrics, PC logon, and many other applications.

Building on the success of the flagship iCLASS standard for 13.56 MHz contactless smart card technology, HID Global's new access control platform goes beyond the traditional smart card model to offer a secure, standards-based, technology-independent and flexible identity data structure based on Secure Identity Object (SIO), a new HID portable credential methodology.

iCLASS SIO-Enabled (iCLASS SE) smart cards are part of the next-generation iCLASS SE access control platform and open ecosystem based on HID's Trusted Identity Platform (TIP) architecture for advanced applications, mobility and heightened security. iCLASS was specifically designed to make access

control more powerful, more versatile, and more secure, with encryption for all radio frequency data transmission between the credential and reader using a secure algorithm. iCLASS SE extends this technology by providing additional key diversification, authentication, encryption and portability for advanced security and performance.

HID's iCLASS SE Clamshell is a 13.56 MHz read/write contactless smart card with an ABS shell construction for durability in harsh environments that can be used for diverse applications (physical access control, PC logon, biometric verification, time and attendance, cashless vending, public transportation, airline ticketing and customer loyalty programs).

ICLASS® SE™ SMART CARD TECHNOLOGY FEATURES

- 13.56 MHz read/write contactless smart card technology for high-speed, reliable communications with high data integrity.
- Proven Technology – Offers consistent read range not affected by body shielding or variable environmental conditions.
- Multiple securely separated application areas are each protected by 64-bit diversified read/write keys that allow complex applications and provide for future expansion.
- Durability – Passive, no-battery design allows for an estimated minimum 100,000 reads. Strong, flexible, and resistant to cracking and breaking.
- PVC Overlay - Allows for on-site photo ID production using most direct image printers.
- Meets ISO 15693 for contactless communications.

HIGHER SECURITY

- Trusted Identity Platform (TIP) Enabled – Provides trusted identity within a secure ecosystem of interoperable products.
- Multi-Layered Security – Ensures data authenticity and privacy through the multi-layered security of HID's SIO.
- SIO Data Binding – Inhibits data cloning by binding an object to a specific credential.
- Mutual authentication, encrypted data transfer, and 64-bit diversified keys for read/write capabilities.
- Expanded iCLASS Elite™ Program – Extends private security by protecting uniquely keyed credentials, SIOs and programming update keys.

SPECIFICATIONS

Base Part Number	3350
Configurations	Available in 2k bit (256 Byte) configuration
Card Construction	ABS Shell with PVC Cover Label
Dimensions	2.125″ x 3.375″ x 0.070″ max. (5.40 x 8.57 x 0.18 cm)
Weight	0.24 oz (6.8 g)
Operating Temperature	-40° to 160° F (-40° to 70° C)
Operating Humidity	5-95% non-condensing
Operating Frequency	13.56 MHz
RF Interface	ISO 15693 read/write
Transaction Time	<100 ms typical
Baud Rate	26 Kbps
Memory Type	EEPROM, read/write
Multi-application Memory	2k bit (256 Byte) card – 2 application areas
Write Endurance	Min. 100,000 cycles
Data Retention	10 years
Typical Maximum Read Range	R10: 1.5-2.5″ (3.8-6.3 cm); R30/RW300: 1.5-3.0″ (3.8-7.6 cm); R40/RW400: 2.5-4.5″ (5.1-10.2 cm); RK40/RWK400: 3.0-4.0″ (6.3-8.9 cm). *Dependent upon installation conditions.
Companion Products	1321 Photo pouch overlay 1324 PVC Direct print overlay
1324 PVC Direct print overlay	Operates with any reader that can read iCLASS technology.
Warranty	Lifetime warranty. See complete warranty policy for details.

ASSA ABLOY

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