PHYSICAL ACCESS SOLUTIONS







Next-Generation High-Frequency Contactless Smart Card PVC Cards 300X • Composite PVC/PET cards 305X

- **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.
- Flexible configurations Available in 2k bit, 16k bit or 32k bit with ability to add a magnetic stripe/barcode and anti-counterfeiting features (custom artwork and photo ID).

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 13.56 MHz read/write contactless smart card technology can be used for diverse applications such as physical access control, PC logon, biometric verification, time and attendance, cashless vending, public transportation, airline ticketing and customer loyalty programs..

hidglobal.com



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ICLASS SE* SMART CARD TECHNOLOGY FEATURES

- 13.56 MHz read/write contactless smart card technology for high-speed, reliable communications with high data integrity.
 Meets ISO 15693/14443B for contactless communications
- Meets ISO 15693/14443B for contactless communications.
 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.
- Ordering Options Magnetic stripe, external card numbering, custom artwork and contact smart chip module.
- Photo ID Compatible Print directly to the card with a direct image or thermal transfer printer.

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

PVC Composite Technology 3000 3050 2k bit (256 Bytes) card 3001 3051 16k bit (2k Bytes) card with 2 application areas 3002 3052 16k bit (2k Bytes) card with 16 application areas 3001 3053 32k bit (4k Bytes) 16k/16 + 16k/1 3004 3054 32k bit (4k Bytes) 16k/16 + 16k/1 Configurations Available in 2k bit (256 Bytes), 16k bit (2K Bytes) or 32k bit (4K Bytes) configurations. *Card Construction Thin, flexible polyvinyl chloride (PVC) laminate, and Composite PVC/PET Dimensiona 2.127" x 3.375" x 0.033" max. (5.40 x 8.57 x 0.084 cm) Operating Temperature 300X PVC Cards: -40 to 122"F (-40 to 50°C) 305X Composite Cards: -40 to 122"F (-40 to 70°C) 305X Composite Cards: -40 to 128"F (-40 to 70°C) Operating Frequency 305X Composite Cards: -40 to 158"F (-40 to 70°C) Operating Frequency 11.56 MHz Transaction Time Baud Rate 2.127 kit (256 Bytes) card - 1 application areas 32k bit (24k Bytes) card - 1 application areas 32k bit (24k Bytes) fog3 mode - 26 kbps Multi-application Memory Type 2k bit (256 Bytes) card - 1 application areas 32k bit (24k Bytes) card - 1 application areas 32k bit (24k Bytes) card - 1 application areas 32k bit (4k Bytes) card - 16 bytesi card - 16 appplication areas 32k bit (2					
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Base Part Number International Control of the second state of the		3000	3050	2k bit (256 Bytes) card	
$\begin{tabular}{ c $		3001	3051	16k bit (2k Bytes) card with 2 application areas	
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	Operates With		Any re	ader that can read iCLASS® SE™ technology	
Warranty Lifetime warranty. See complete warranty policy for details	Warranty	Lifetime warranty. See complete warranty policy for details			

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2012-04-27-iclass-se-cards-ds-en

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