



## Identifiers

### iCLASS® + MIFARE DESFire



**iCLASS®** smart card technology was specifically designed to make access control more powerful, more versatile, and more secure. iCLASS 13.56 MHz read/write contactless smart card technology provides versatile interoperability in applications such as access control, network log-on security, cashless vending, time and attendance, event management and biometric identification.

iCLASS smart card technology ensures high security with mutual authentication between smart card and reader, encrypted data transfer, and 64-bit diversified keys for read/write contactless smart card capabilities. Securely separated files enable multiple applications and support future growth.

The iCLASS smart card meets ISO standard for card size and thickness for use with direct image and thermal transfer printers. It features a graphics quality surface optimized for Photo ID printing, and is available in standard PVC construction, or a composite polyester/PVC construction for more demanding high wear and tear environments. The smart card can be produced with visual security and anti-counterfeiting features such as holograms, ultra-violet fluorescent inks, micro-printing, or a custom logo to quickly and easily identify genuine smart cards.

#### Key features of the 200x iCLASS Smart Card:

- 13.56 MHz read/write contactless smart card technology provides high-speed, reliable communications with high data integrity and powerful access control.
- iCLASS technology ensures high security access control with mutual authentication between card and reader, encrypted data transfer, 64-bit diversified keys for read/write capability.
- Meets ISO standards for thickness for use with direct image and thermal transfer printers.
- Offers the ability to add a magnetic stripe, barcode, anti-counterfeiting features, custom artwork, or photo ID.
- Available in 2k bit (256 byte), 16k bit (2K Byte) or 32k bit (4K Byte) memory configurations.
- Supports all existing HID card formats, including Corporate 1000.
- Supports field programming of any existing HID format into the secure HID access control application area on the card.
- More powerful, versatile and secure access control.
- Provides versatile interoperability in applications like access control, network log-on security, cashless vending and many other areas.

**iCLASS SIO-Enabled (iCLASS SE™)** smart cards are part of HID Global's next generation secure access control platform and open ecosystem based on Secure Identity Object™ (SIO), a new portable credential methodology, and HID Global's Trusted Identity Platform™ (TIP) architecture for advanced applications, mobility and heightened security.

iCLASS SE smart cards feature multiple securely separated application areas that are each protected by 64-bit diversified read/write keys that allow complex applications and provide for future expansion. iCLASS SE smart card technology provides secure access control and increases performance with mutual authentication, encrypted data transfer, and 64-bit diversified keys for read/write capabilities.

Available in 2k bit, 16k bit or 32k bit with ability to add a magnetic stripe/barcode, the iCLASS smart card meets ISO standard for card size and thickness for use with direct image and thermal transfer printers. The smart card features a graphics quality surface optimized for Photo ID printing, and is available in standard PVC construction or a composite polyester/PVC construction for more demanding high wear and tear environments.

iCLASS SE smart cards can be produced with visual security and anti-counterfeiting features such as holograms, ultra-violet fluorescent inks, micro-printing, or a custom logo to quickly and easily identify genuine cards. HID's iCLASS SE smart card 13.56 MHz read/write contactless smart card technology can be used for diverse applications such as physical access control, PC logon, biometric authentication, time and attendance, cashless vending, public transportation, airline ticketing and customer loyalty programs.

#### Key Features of the 300x iCLASS SE Smart Card:

- Supports Secure Identity Object™ (SIO) - Multi-layered security beyond the card technology, providing added protection to identity data and secure access control.
- Trusted Identity Platform™ (TIP) enabled - Provides trusted identity within a secure ecosystem of interoperable products.
- Available in 2k bit, 16k bit or 32k bit with ability to add a magnetic stripe/barcode.
- Meets ISO standard for card size/thickness for use with direct image and thermal transfer printers.
- Graphics quality card surface is optimized for Photo ID printing and are available in standard PVC construction or a composite polyester/PVC construction for high wear and tear environments.





## Identifiers iCLASS® + MIFARE DESFire

- Can be produced with visual security and anti-counterfeiting features such as holograms, ultra-violet fluorescent inks, micro-printing, or a custom logo to quickly and easily identify genuine cards.

Type	ISO card
Format	MIFARE® DESFire®, HID® iCLASS®
Operatig frequency	13,56 MHz

