



# HID® iCLASS® + MIFARE® Classic or MIFARE® DESFire® EV1 + Prox 252, 262 & 263

Available with HID Proximity magnetic stripe, contact smart chip, PVC or composite card body

## Overview | Specifications

### iCLASS®

- 13.56 MHz read/write contactless smart card provides high speed, reliable communications with high data integrity, ensuring high security with mutual authentication, encrypted data transfer and 64-bit diversified keys for read/write capabilities
- Card data is protected by triple DES encryption
- Meets ISO/IEC 15693 standards for contactless communications
- 32Kb standard (2Kb available with 1KB MIFARE Classic only)

### MIFARE® Classic

- MIFARE Classic offers fast and convenient transactions and is used worldwide for access control, cashless vending and public transportation applications
- MIFARE Application Directory (MAD) allows flexible programming of additional applications to the MIFARE Classic card
- MIFARE Classic technology uses a mutual authentication and data encryption with a 32/56 bit serial number
- 4KB standard (1KB available with 2Kb iCLASS only)

### MIFARE® DESFire®; EV1

- MIFARE DESFire EV1 is based on open global standards for security, and is interoperable with existing MIFARE DESFire infrastructures.
- Transaction times are less than 100 milliseconds for a typical secure ticketing transaction.



(<https://www.hidglobal.com/262-263-iclass-mifare-classic-or-mifare-desfire-ev1-prox.png>).



- MIFARE DESFire EV1 is fully compliant with ISO 14443A 1-4, and has been awarded Common Criteria (CC) EAL 4+ for card security.
- 8k Bytes of dynamic memory is arranged in easy-to-define application folders and data files.
- Use 56 bit serial number

#### HID Proximity

- 125 KHz technology based on HID RFID solution
- Compatibility with all HID proximity readers

All those cards are delivered as an ISO/IEC 7810 ID-1 Card format.

#### **HID GLOBAL PRODUCT CONFIGURATOR**

[Configure this Product \(/configure\)](#).

#### **RELATED DOCUMENTS**



**AVAILABLE IN iCLASS®/MIFARE® CLASSIC COMBINATION AND iCLASS/MIFARE DESFIRE® EV1 COMBINATION**

- **Ideal Migration Solution** - Mutual use of 13.56 MHz read/write iCLASS, MIFARE® Classic and MIFARE DESFire EV1 contactless smart card technologies
- **Wide Variety of Applications** - Physical access control, biometrics, secure computer/network authentication, time and attendance, vending and more
- **ISO Standard Thickness** - Use with all direct imaging and thermal transfer printers
- **Security** - Upgradable to next generation iCLASS® SE™ platform; iCLASS SE, SIO-Enabled for MIFARE and MIFARE DESFire EV1

For customers looking to support multiple technologies with a single card or migrate from existing card technology to a more secure solution, dual high frequency Genuine HID™ card products deliver an ideal solution and migration path. These affordable and durable card products enable more flexibility than ever before through the mutual use of 13.56 MHz read/write iCLASS, MIFARE Classic or MIFARE DESFire EV1 contactless smart card technologies for credential-based applications.

available contact chips, or customers can select HID's off-the-shelf Crescendo® multi-technology smart card, providing strong authentication options with logical access systems.

As with all Genuine HID card products, dual high frequency cards are part of the broadest product line of trusted, fully interoperable secure identity solutions in the market and come with guaranteed compatibility with HID Global reader lines and a lifetime warranty.



Card configurations are also available with an embeddable contact chip module to support logical access.

In addition to the two high frequency technology options, all cards are available with HID Prox or magnetic stripe technology to provide the widest range of backwards compatibility with existing systems. HID Global can also embed a wide range of commercially

[View more documents >>](#)

## WHITE PAPERS

<https://www.hidglobal.com/node/4693>.

[How a Credential is "Read" and Why You Need to Know White Paper \(https://www.hidglobal.com/node/4693\)](https://www.hidglobal.com/node/4693).

