

HID MIFARE® Card

13.56 MHz MIFARE Contactless Smart Card

1430 Series

Public Transportation

Cashless Vending



Phone Cards

University Cards



Airline Ticketing

Access Control



Customer Loyalty

Application

HID's contactless MIFARE card can be used for diverse applications such as access control, cashless vending, public transportation, airline ticketing, customer loyalty and photo ID cards. Sixteen securely separated files enable multiple applications and support future growth.

Features

- 13.56 MHz operating frequency provides high-speed, reliable communications with high data integrity.
- MIFARE technology ensures high security (mutual authentication, data encryption, unique 32-bit serial number).
- Provides for contactless access control with a read-range up to 3.9" (10 cm).
- e-Purse functions (read/write capability).
- Meets ISO standards for thickness; use with all direct image and thermal transfer printers.



EVEN SMARTER

Embed this card with a contact smart chip module

FINISHED CREDENTIAL

Card printing by HID's Card Personalization Service

HID MIFARE® Card

Features

Read/write Functionality for Multi-functional Memory Applications

Sixteen securely separated files (sectors), each protected by a set of two keys and programmable access conditions, allow complex applications and provide for future expansion. Each sector potentially represents a different application. Arithmetic functions are used for expanding the capabilities of the chip.

Different keys can protect read/write operations in order to build key hierarchies in the system. Security mechanisms such as mutual authentication and encryption are efficiently combined with fast processing and data communication, resulting in transaction times of less than 100 milliseconds for a typical secure ticketing transaction.

Proven, Reliable Technology

Offers extremely consistent read range. Unaffected by body shielding or variable environmental conditions, even when close to keys and coins.

Thin

Can be carried with credit cards in a wallet or purse. Use with a strap and clip as a photo ID badge.

Photo ID Compatible

Print directly to the card with a direct image or thermal transfer printer. Slot punch vertically for easy use.

Long Life

Passive, no-battery design allows for an infinite number of reads.

Durability

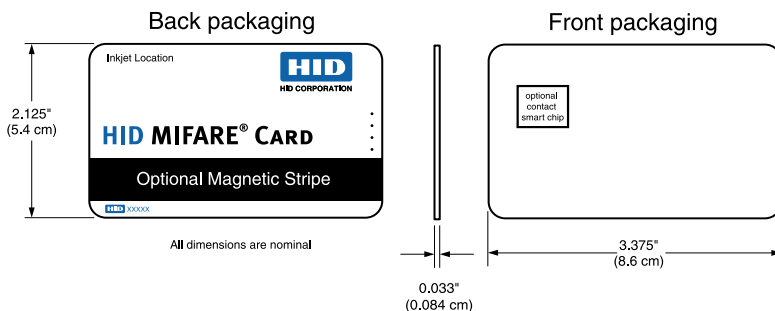
Strong, flexible and resistant to cracking and breaking.

Options:

- Magnetic stripe
- External card numbering (inkjet or laser engraving)
- Vertical slot punch
- Custom artwork (text or graphics)
- Contact smart chip module

(Please see "How To Order Guide" for a description of the options and associated part numbers.)

Warranty: Conditional one-year warranty. See complete warranty policy for details.



Specifications

Typical Maximum Read Range

Up to 3.9" (10 cm), depending on local installation conditions.

Card Dimensions

2.125" x 3.375" x 0.033" max.
(5.40 x 8.57 x 0.084 cm)

Card Construction

Thin, flexible polyvinyl chloride (PVC) laminate.

Operating Temperature

-13° to 158° F (-25° to 70° C)

Part Number

Base Part No.: 1430

Description: 13.56 MHz MIFARE contactless smart card, location marked for vertical slot punch.

Operating Frequency

13.56 MHz

RF Interface

As suggested by ISO/IEC 14443, Type A

Transaction Time

<100 ms typical

Baud Rate

106 Kbaud

Memory Size

1 Kbyte

Memory Type

EEPROM, read/write

Multi-application Memory

16 sectors

Fixed Serial Number

Unique, 32 bit

Write Endurance

Min. 100,000 cycles

Data Retention

10 years

LIT1430DS 6/01, supersedes 11/00



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