



uTrust MIFARE® Smart Cards

Secure Credentials for
Physical Access Control



Flexible MIFARE Smart Card Credentials for Access Control

Hirsch uTrust MIFARE Smart Cards are versatile, high-frequency smart cards designed for a wide range of access control and identification applications. Built on NXP MIFARE technology, they offer flexible security levels, multiple form factors, and broad interoperability, making them ideal for organizations balancing cost, performance, and scalability.

Built on globally recognized NXP MIFARE technology, Hirsch MIFARE Smart Cards are widely supported across access control and identity systems worldwide. Choose the MIFARE technology for your specific use case.

- **MIFARE Classic** for cost-effective, legacy-compatible deployments
- **MIFARE DESFire** for high-security, encrypted authentication
- **MIFARE Plus** for secure migration from legacy systems
- **MIFARE Ultralight** for low-cost, single-use applications

Hirsch uTrust MIFARE Smart Cards are available in both PVC or long-life composite, and can also include other technologies such as LF prox, UHF, or magnetic stripes. Optional high-quality, four-color printing is also available for ISO cards and clamshells (minimum order quantities apply).

High-Security Features

- ISO 14443A
- Up to Common Criteria EAL5+
- Supports AES-128 bit keys for authentication and data encryption (DESFire and Plus)
- Offered in both 7-byte UID or 4-byte NUID options
- Flexible memory options
- Originality signatures to verify genuine NFC product

Primary Use Cases

- Corporate and campus access control
- Event credentialing and ticketing
- Hospitality and guest access
- Transportation and fare systems
- Fitness centers, parks, and recreational facilities

SPECIFICATIONS

Dimensions	ISO cards: 3.37 x 2.13 x 0.03 in (85.6 x 54 x 0.8 mm) Clamshells: 3.37 x 2.13 x 0.08 in (85.6 x 54 x 1.9 mm)			
RF Interface	ISO/IEC 14443A			
Operating Frequency	13.56 MHz			
Material	ISO cards: PVC or Composite (PET/PVC) Clamshells: ABS			
Color	White			
Surface Finish	Glossy			
Operating Temperature	-20° to 50°C (-4° to 122°F)			
Product Quality	Per ISO/IEC 7810, ISO/IEC 7816-4 and ISO/IEC 10373-1			
Warranty	Lifetime for material defects and workmanship			
	MIFARE Classic	MIFARE DESFire	MIFARE Plus EV2	MIFARE Ultralight C
Memory	1 kB or 4 kB	2 kB, 4 kB, 8 kB	2 kB	1152 bit
UID	4-byte NUID	7-byte	7-byte	7-byte
Data Retention	10 years	25 years	25 years	10 years
Write Endurance	200,000 cycles	1,000,000 cycles	1,000,000 cycles	100,000 cycles
Security Certification	n/a	Common Criteria EAL5+	Common Criteria EAL5+	n/a

MIFARE Classic EV1

Type	Memory	Item	Description
Clamshell	1kB	4100	MIFARE Classic (EV1) 1kB Clamshell Card, Vertical Slot Punch
PVC	1kB	3110 / 4110	MIFARE Classic (EV1) 1kB ISO PVC Card
PVC	1kB	3130 / 4130	MIFARE Classic (EV1) 1kB ISO PVC Card, Magnetic Stripe
PVC	4kB	3140 / 4140	MIFARE Classic (EV1) 4kB ISO PVC Card
Composite	1kB	3120 / 4120	MIFARE Classic (EV1) 1kB ISO Composite Card
Composite	1kB	3132 / 4132	MIFARE Classic (EV1) 1kB ISO Composite Card, Magnetic Stripe
Composite	4kB	3142 / 4142	MIFARE Classic (EV1) 4kB ISO Composite Card
Composite	4kB	3144 / 4144	MIFARE Classic (EV1) 4kB ISO Composite Card, Magnetic Stripe
PVC	1kB	3410	MIFARE Classic (EV1) 1KB + Prox ISO PVC Card
Composite	1kB	3310 / 4310	MIFARE Classic (EV1) 1KB + Prox ISO Composite Card
Composite	1kB	3424/ 4424	MIFARE Classic (EV1) 1KB + Prox ISO Composite Card, Magnetic Stripe

MIFARE DESFire

Chip Type	Memory	Item	Description
DESFire EV1	4kB	3240	MIFARE DESFire EV1 4K ISO Composite Card
DESFire EV1	4kB	3242	MIFARE DESFire EV1 4KB ISO Composite Card + Magnetic Stripe
DESFire EV1	8kB	3252	MIFARE DESFire EV1 8KB ISO Composite Card
DESFire EV1	8kB	3260	MIFARE DESFire EV1 8KB + Prox ISO Composite Card
DESFire EV2	2kB	3674	MIFARE DESFire EV2 2KB ISO Composite Card + Magnetic Stripe
DESFire EV2	2kB	3772	MIFARE DESFire EV2 2KB + Prox ISO Composite Card
DESFire EV2	4kB	3644	MIFARE DESFire EV2 4KB ISO Composite Card + Magnetic Stripe
DESFire EV3	2kB	3872	MIFARE DESFire EV3 2KB ISO Composite Card
DESFire EV3	2kB	3972	MIFARE DESFire EV3 2KB + Prox ISO Composite Card
DESFire EV3	4kB	3842	MIFARE DESFire EV3 4KB ISO Composite Card
DESFire EV3	4kB	3942	MIFARE DESFire EV3 4KB + Prox ISO Composite Card
DESFire EV3	4kB	3844	MIFARE DESFire EV3 4KB ISO Composite Card + Magnetic Stripe
DESFire EV3	8kB	3852	MIFARE DESFire EV3 8KB Composite Card
DESFire EV3	8kB	3952	MIFARE DESFire EV3 8KB + Prox ISO Composite Card

MIFARE Plus

Type	Memory	Item	Description
PVC	2kB	3F10	MIFARE Plus EV2 2kB ISO PVC Card
PVC	2kB	3F30	MIFARE Plus EV2 2kB ISO PVC Card + Magnetic Stripe (27500e)

MIFARE Ultralight C

Type	Memory	Item	Description
PVC	1152 bit	3D10	MIFARE Ultralight C PVC Card, Blank

MIFARE, MIFARE Classic, MIFARE DESFire, MIFARE Plus and MIFARE Ultralight are trademarks of NXP B.V.

