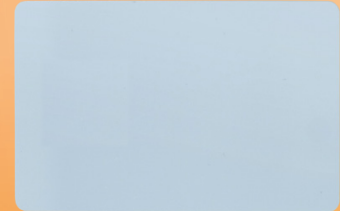


RFID Cards

Contactless RFID Card



Applications

- Access Control
- Time attendance
- Membership Cards
- Identification

Personalisation Options

- Offset, Screen, Thermotransfer printing
- Serial number, UID number
- Logo, Graphics, Photo
- Hologram, Security Printing
- Signature Panel
- Barcode Printing
- Magstrip LoCo (300 OE) and HiCo (2750 OE or 4000 OE)
- Chip Encoding

RFID Option

- UHF
- HF
- LF

Description

iDTRONIC's Contactless RFID Cards provide many advantages, due to their non-required physical link with the reading device. The communication is performed through the electro-magnetic field between the Reader and the Contactless Card. The cards feature a long lifespan and are resistant to dirt and moisture.

The main components of a Contactless Card are a microchip and an antenna. The microchip controls all communication with the reader, as well as data storage, data encryption and security of access. There are different types of microchips which can be used, from simple to highly sophisticated, to support multiple applications.

In general, iDTRONIC Contactless Cards are available in 3 main RFID frequencies:

- Low Frequency (LF) Cards with 125 kHz
- High Frequency (HF) Cards with 13.56 MHz
- Ultra High Frequency (UHF) Cards with 860-960 MHz

Technical Data

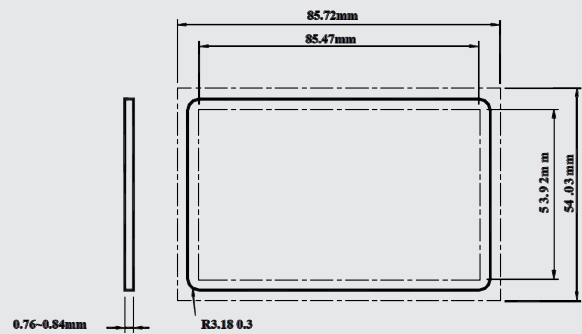
Product specification	
Dimensions	85,6mm x 54mm x 0,76 mm
Weight	5 g
Material	PVC laminated PET (optional)
Surface	Glossy or matt
DIN / ISO	7816
Application Temperature	-25 °C bis +50 °C
Certifications	RoHS, CE & EC-RED

Available 125 kHz ICs		
IC Type	Memory	Mode
EM 4200	8 bytes	Read-only
EM 4550	125 bytes	R/W
Atmel Temic 5567	28 bytes	R/W
NXP Hitag 1 / Hitag 2	256 / 32 bytes	R/W
NXP Hitag S256 / S2048	32 / 256 bytes	R/W

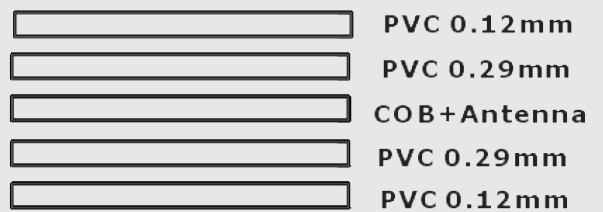
Available 13.56 MHz ICs		
IC Type	Memory	ISO
NXP MIFARE Ultralight® C	64 bytes	14443A
NXP MIFARE® Classic Mini	256 bytes	14443A (1-3)
NXP MIFARE® Classic 1K EV1	1024 bytes	
NXP MIFARE® Classic 4K	4096 bytes	
NXP MIFARE® DESFire® EV2	2 / 4 / 8 bytes	14443A
NXPI-Code SLI	1024 bytes	15693
LEGIC MIM256	256 bytes	14443 / 15693
LEGIC MIM1024	2048 bytes	
LEGIC Advant 1024	1024 bytes	14443 / 15693
LEGIC Advant 2048	2048 bytes	
TI HFI-Plus	1024 bytes	15693

Other ICs available on request!

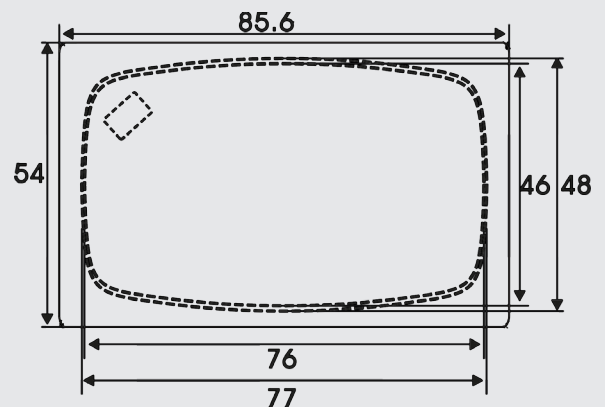
Dimensions



Layers



Antenna Position (e.g. MIFARE)



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