PRODUCT DATASHEET

Mifare® 1K

ISO 14443A

PAV Card
Hamburger Strasse 6
22952 Luetjensee (Germany)
e-Mail: info@pavcard.de
Internet: www.pavcard.de

Chip manufacturer: NXP (Philips)

Product: **Mifare® 1K**

Memory:

EEPROM size: 1024 bytes

Write endurance: 100,000 cycles

Data retention: 10 years

Organisation: 16 sectors of 64 bytes

RF-Interface:

According: **ISO 14443A**

Frequency: 13.56 MHz

Baudrate: up to 106 kbit/s

Anticollision: yes, bit-wise

Operating Distance: up to 10 cm

Please note: Max. reading range depends on used RF standard, the requirements of national spectrum management authorities, reader application, antenna, transponder and

Security:

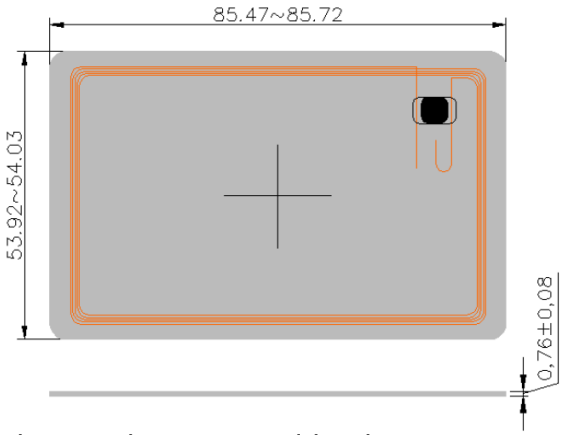
Unique Serial Number: 4 bytes
Random Number Generator: yes
Access Keys: 2 keys per sector
Access Conditions: per sector
mifare® Classic Security: supported
Anti-tear supported by chip: for value blocks

Special Features:

- Multi-application: supports MAD
- Purse Functionality: value block format
- Secure Transportation Transaction: 512 bytes read, 16 bytes write

Contactless cards in standard ISO format.

Produced according ISO 7810 / ISO 7816 - with advanced antenna and assembly technologies.



This picture shows a MOA4 module and its copper wire antenna. The contacting is realized by thermo compression-welding.

PVC is the standard material for contactless cards. Generally we can produce cards with other materials like PET, PEC, PC or composite. These alternative materials are on request.

We provide PVC cards with glossy or matt surface. The glossy surface allows the customer to personalise the cards by printing.

Additionally a microcontroller (contact chip) and/or magnetic strip (HiCo, LoCo) can be used for multiusage cards.

Additional Services:

Security:
- hologram
- signature panel
- magnetic stripe (incl. encoding)
- barcode
- UV printing

Chip encoding:
- encoding of contactless chip

Personalisation:
- thermo transfer / dye sublimation
- laser lettering
- embossing
- digital printing

Printing technologies:
- (UV-)offset printing
- silk-screen printing
- digital printing

Thermo rewrite function:
- thermo rewrite foil (optional one side covered or as stripe)