



# PRODUCT DATASHEET

## Prime MIM1024 Supertag

LEGIC

**PAV Card**  
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**Chip manufacturer:** LEGIC®  
**Product:** Prime MIM1024 Supertag

### Memory:

**EEPROM size:** 1024 bytes  
**Write endurance:** 100,000 cycles  
**Data retention:** 10 years  
**Organisation:** dynamic

### RF-Interface:

**According:** LEGIC  
**Frequency:** 13.56 MHz  
**Baudrate:** < 100 ms (for 32 bytes)  
**Anticollision:**  
**Operating Distance:** up to 70 cm

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

### Security:

- 4 bytes unique number (MCD + MSN)
- The communication with the security module follows the LEGIC Rules. The LEGIC Rules cover:
  - Initialization
  - Authentication
  - Authorization
  - Data encryption
  - Data organization
  - Write/read protection

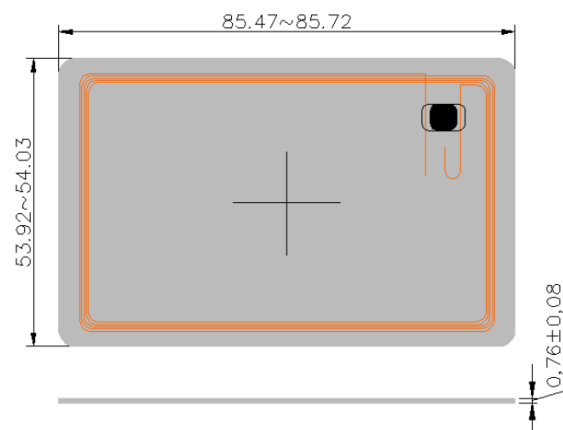
### Special Features:

- Data memory
- Passive data memory (EEPROM)
- 1002 bytes user memory area for segments
- Max. number of segments: 127
- Dynamic segmentation
- Variable size of application segments

**subject to change without notice, errors excepted**

Contactless cards in standard ISO format.

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



This picture shows a MCC8 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)