

# Micro Pocket RFID Card



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## Technical Specifications

Model No.: CL-SRF/MP-1

### FEATURES:

- MIFARE RF Interface (ISO/IEC 14443 A).
- Contactless transmission of data and supply energy.
- Operating distance: Up to 100mm (depending on antenna geometry).
- Operating frequency: 13.56 MHz.
- Fast data transfer: 106 kbit/s.
- High data integrity: 16 Bit CRC, parity, bit coding, bit counting.
- True anti-collision.
- Typical ticketing transaction: < 100 ms (including backup management).



### EEPROM:

- 1 Kbyte, organized in 16 sectors with 4 blocks of 16 bytes each (one block consists of 16 byte)  
User definable access conditions for each memory block
- Data retention of 10 years. · Write endurance 100.000 cycles

### SECURITY:

- Mutual three pass authentication (ISO/IEC DIS9798-2)
- Data encryption on RF- channel with replay attack protection
- Individual set of two keys per sector (per application) to support multi-application with key hierarchy
- Unique serial number for each device
- Transport key protects access to EEPROM on chip delivery

## CAL-ON INSTRUMENTS

An ISO 9001:2008 Certified Company

Sy.No-193, Phase-IV, IDA, Cherlapally,

Hyderabad – 500051. INDIA

Tel: 040-27260203 / 27260262

Email: [info@cal-on.com](mailto:info@cal-on.com)

[www.cal-on.com](http://www.cal-on.com)



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