2cqr
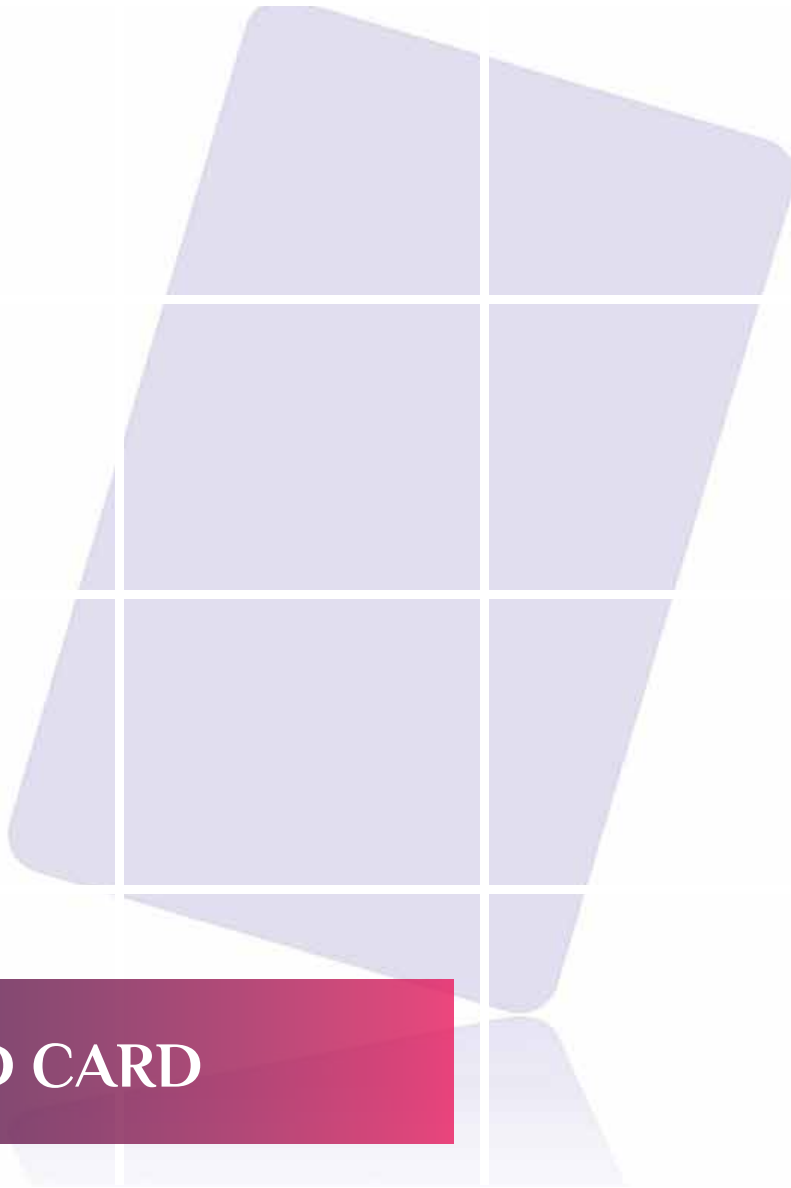
RFID CARD

HRC - 1000

Rfid card, RF Interface (ISO/IEC 14443 A)

- Contactless transmission of data and supply energy (no battery needed)

- Operating distance: Up to 100mm (depending on antenna geometry)

- Operating frequency: 13.56 MHz

- Data transfer: 106 kbit/s

- Data integrity: 16 Bit CRC, parity, bit coding, bit counting

- Anticollision

- 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 DIS 9798-2)

- Individual set of two keys per sector (per application) to support multi-application with key hierarchy

- Unique serial number for each device