eSSL®
Security at Fingertips

Hotel Lock MF Cards

S70



Specification

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

· 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 anticollision

· Typical ticketing transaction: < 100 ms (including backup management)

Security

· Mutual three pass authentication (ISO/IEC DIS9798-2)

· Data encryption on RF-channel with replay attack protection

· Individual key set 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

Data Integrity

· 16 bits CRC per block

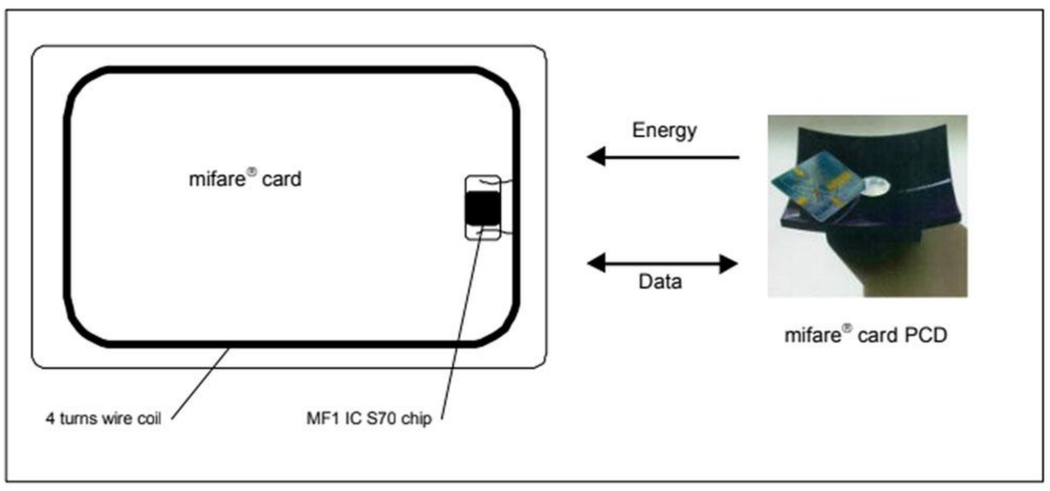
· Parity bits for each byte

· Bit count checking

· Bit coding to distinguish between "1", "0", and no information

· Channel monitoring (protocol sequence and bit stream analysis)

Used For : Time card , Authorizing Card and Query Card, Terminating Card



Disclaimer: Brief specifications are mentioned here.Specifications may change without prior notice. Customers are advised to check with us before purchase. Actual product may differ slightly to that depicted for ongoing product development

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