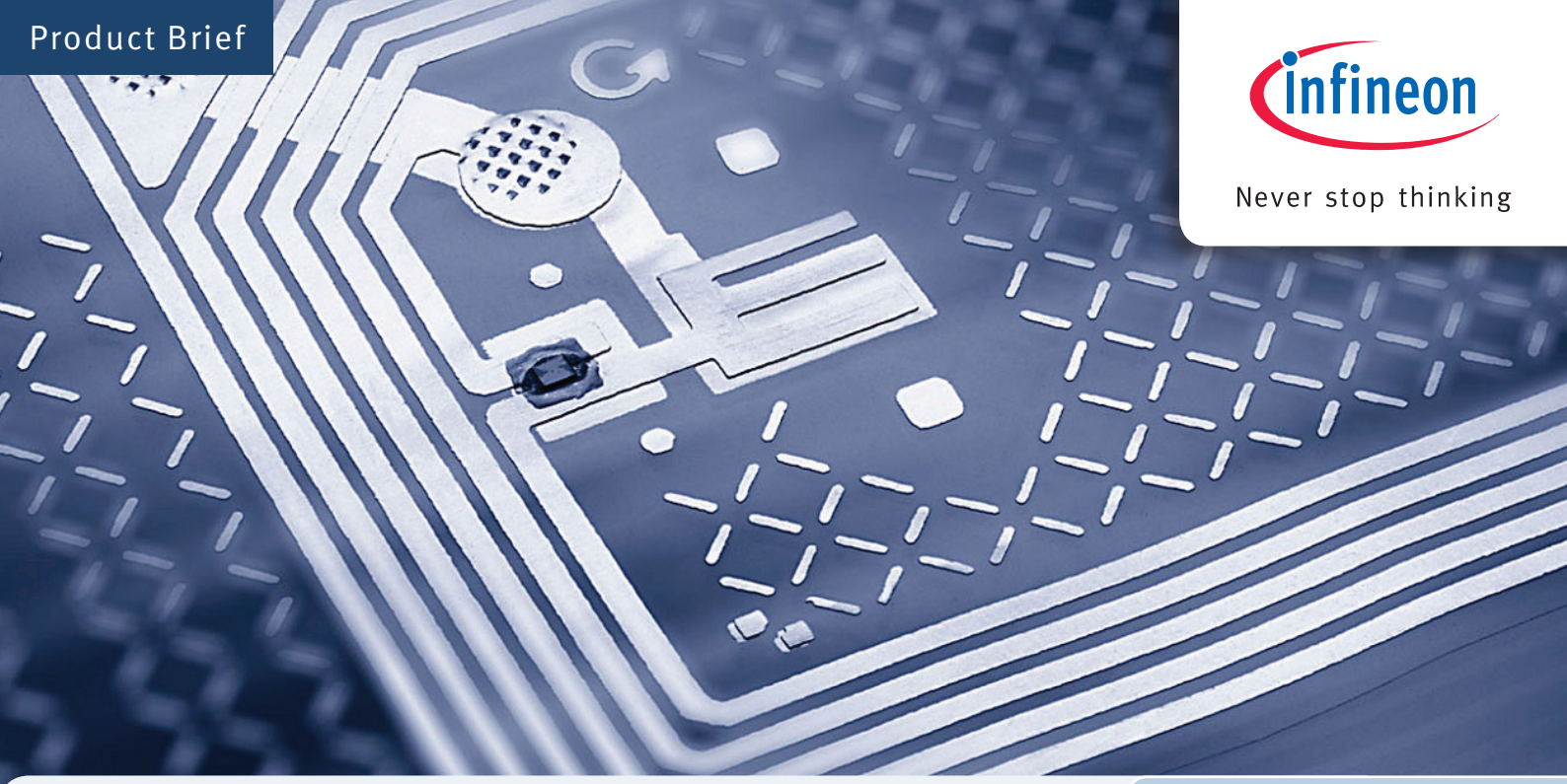
Product Brief



Never stop thinking

my-d™ move - SLE66R01P

Intelligent 1216 bit EEPROM

The my-d™ move is optimized for the fast growing mass transit market of limited use tickets. Its dedicated command set is ideally suited for fast transaction times in mass transit applications. Based on international standards, ISO 14443-3 Type A or NFC Forum™ Type 2 Tag Specification, its implemented command set and memory size allow easy migration into existing infrastructure that is already deployed world wide.

Additionally the my-d™ move is perfectly suited for event ticketing or parking permits.

The my-d™ move offers privacy features, a 32 bit write/read password or read access password. The number of incorrect password retries can be limited to block further access to the memory. Additionally a 16 bit value counter supports flexible security controls of limited use tickets.

Its compact chip size is designed for a maximum of mechanical robustness. The my-d™ move offers a cost effective product paired with a small footprint suitable for mass production with existing machines.

Features and key benefits

Contactless Interface

- ISO/IEC 14443-3 Type A
- ISO/IEC 18092 and NFC Forum™ Type 2 Tag Specification
- Operation frequency: 13.56 MHz
- Command rate: 106 kbit/s
- Read / write distance up to 10 cm

1216 bit EEPROM

- 38 blocks of 4 bytes each
- 128 byte freely programmable user memory
- EEPROM programming time ‹ 4 ms
- EEPROM endurance › 10,000 cycles
- Data retention › 5 years
- Error Correction (ECC)

Support of NFC Forum™

- NFC Forum™ Type 2 Tag Operation
- Dynamic memory structure

Privacy Features

- Double size UID (7 byte)
- 32 bit one time field programmable (OTP) memory
- Individual block locking
- Locking of access conditions
- 32 bit read/write access password
- Optional retry password counter
- 16 bit value counter
- Anti-Tearing mechanism for OTP, password and value counter

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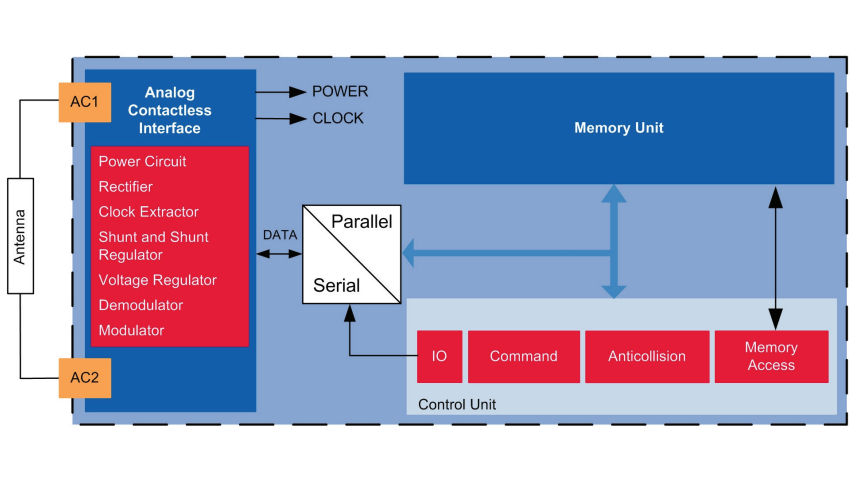
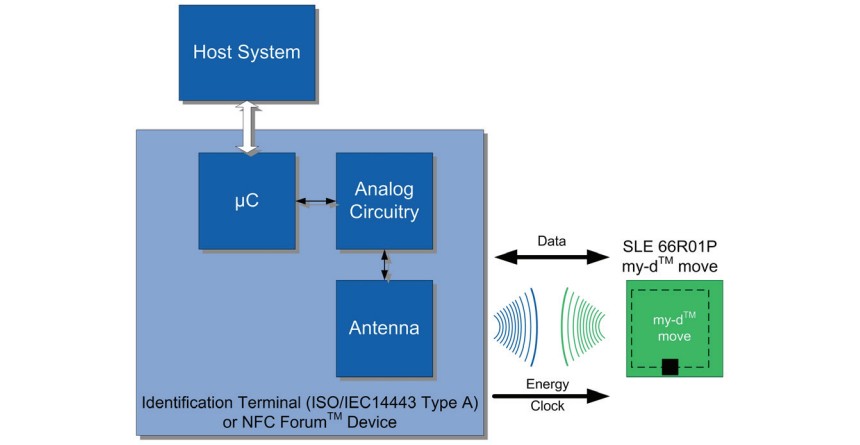
Intelligent 1216 bit EEPROM

Block Diagram and Application Example



- Analogue Contactless Interface
  - Voltage rectifier
  - Voltage regulator
  - System clock
  - Modulator / demodulator
- Operational unit
  - Chip configuration
- Memory unit
  - EEPROM with ECC
- Control unit
  - Command decoding
  - Command execution
  - Anticollision
  - Memory access rights



Typical Applications

- Single ride tickets
- Limited use tickets
- Mass transit
- Event ticketing
- Parking permits

Type	Package	User Memory	Ordering Code
SLE 66R01P_C	wafer unsawn, wafer sawn	128 bytes	on request
SLE 66R01P_NB	NiAu bumped	128 bytes	on request

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