

Card Security - MIFARE DESFire EV2

KEY FEATURES

- ▶ ISO/IEC 14443 A 1-4 and ISO/IEC 7816 compliant
- ▶ 2/4/8 kB EEPROM with fast programming
- ▶ Flexible file structure
- ▶ NFC Tag Type 4 compliant
- ▶ Secure, high-speed command set
- ▶ MIsmartApp grants application space to third parties without sharing the master key
- ▶ Unlimited number of applications
- ▶ Transaction MAC to authenticate transactions
- ▶ Multiple key sets per application for key rolling
- ▶ Virtual Smart Card architecture for privacy protection
- ▶ Proximity check to protect against relay attacks
- ▶ High data rates according to ISO/IEC 14443-4: up to 848 Kbits/s
- ▶ Choice of open DES/2K3DES/3K3DES/AES crypto algorithms in hardware
- ▶ Unique 7-byte serial number (ISO Cascade Level 2)
- ▶ Common Criteria certification: EAL5+ for IC hardware and software
- ▶ Optional MIFARE Classic® implementation

TARGET APPLICATIONS

- ▶ Advanced public transportation
- ▶ Access management
- ▶ Closed-loop micropayment
- ▶ Campus and student ID cards
- ▶ Loyalty programs