basIP



MIFARE® KEYCHAIN

SH-02M4

EAN: 5060514915073 (RED)
EAN: 5060514915080 (GREEN)
EAN: 5060514915097 (BLUE)
EAN: 5060514915103 (BLACK)
EAN: 5060514915110 (ORANGE)

Specifications

- Keychain with original NXP chip
- Standard: ISO 14443A
- MIFARE Plus X
- Memory capacity: 4KB eEprom
- ID length: 7 UID
- Encryption algorithm: Crypto-1 / AES-128
- Security level: 1 / 2 / 3
- Operating Temperature Range: -30º C to +65º C
- Operating Humidity: 5 –87% (non condensing)
- Mechanical Dimensions: 51.1 x 42.0 x 6.0 mm
- Weight: 4g

Functional capabilities

- Access conditions freely configurable
- Supports ISO/IEC 14443-3 UIDs (7-byte UID)
- Multisector authentication, Multi-block read and write
- AES-128 used for authenticity, confidentiality and integrity
- An anti-tearing mechanism for writing AES keys
- Keys can be stored as MIFARE CRYPTO-1 keys (2 × 48-bit per sector) and as AES keys (2 × 128-bit per sector)
- Full support of virtual card concept
- Simple fixed memory structure compatible with MIFARE Classic 1K
- Proximity check
- Communication speed up to 848 kbit/s
- Number of single write operations: 200000 cycles (typical)
- Common Criteria Certification: EAL4+