

Key Features

- Non-volatile memory organization and multi-application support
- Contactless interface compliant with ISO/IEC 14443-2/3 A
- Common Criteria certification: EAL5+ (Hardware and Software)
- Fast programming cycles

MIFARE DESFIRE EV3

PC.DesfireEv3 2k / 4k /8k

- ISO/IEC 7816 compatibility
- Data transfer up to 848 kbit/s
- Anti-collision
- Unique 7 byte UID/serial number
- Mutual 3-pass authentication
- Transaction-oriented automatic anti-tear mechanism with new transaction timer support
- Configurable ATS (Applicant Tracking System) information for card personalization
- Backward compatibility mode to MIFARE DESFire EV2, EV1
- Support Secure Dynamic Messaging (SDM) which is mirrored as text into the NDEF (NFC Data Exchange Format) message (compatible with NTAG DNA)
- NFC Forum Type 4 Tag certified (Certificate ID. 58652)

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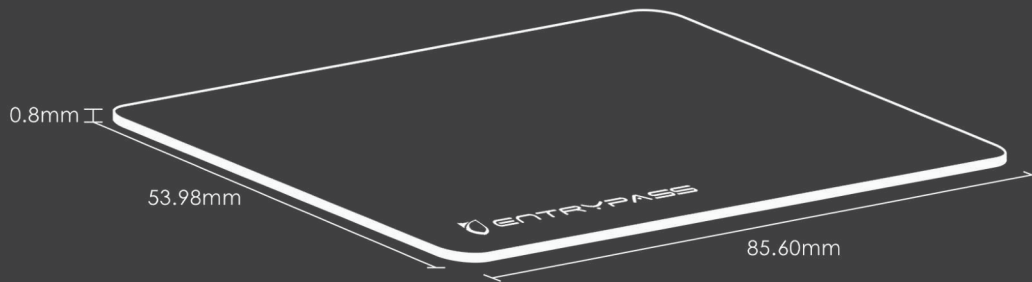
Technical Specification

Base Part Number	PC.DesfireEv3.2k/4k/8k
ICryptography scheme(s)	Single DES, 2KTDEA, 3KTDEA, AES128
Secure messaging(s)	D40 Native, EV1, EV2
No. of applications	No Limit
No. of files per application	32
Max. no. of files with backup	32
ISO/IEC7816-4 commands	Yes (Refined)
Random ID	Yes
Configurable ATS	Yes, all parameters
Max. communication buffer	Up to 256 bytes
Chaining during data transfer	Native (AFh) or ISO/ IEC14443-4
Multiple Key Sets with rolling	Yes
Shared Application Management	Yes
Multiple keys per access right	Yes
UpdateRecord command	Yes
Transaction MAC	Yes
Transaction Timer	Yes
Secure Dynamic Messaging	Yes
Virtual Card Architecture	Yes
Proximity Check	Yes
Originality Check	Yes
Write endurance	1,000,000 cycles
Data retention	25 years

MIFARE DESFIRE EV3

PC.DesfireEv3 2k / 4k /8k

Dimension



Ordering Information

PC.DesfireEv3.2k

PC.DesfireEv3.4k

PC.DesfireEv3.8k

Entrypass Mifare Desfire EV3 (2k bytes)

Entrypass Mifare Desfire EV3 (4k bytes)

Entrypass Mifare Desfire EV3 (8k bytes)



www.entrypass.net

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