Pack of 50 - MIFARE DESFire EV2 4K keyfob - thin, green

A green 45mm x 30mm x 2.2mm keyfob containing a MIFARE DESFire EV2 4K chip. This extremely durable, 100% waterproof thin keyfob is designed to be attached directly to a keyring. A useful alternative for contactless systems, it operates at 13.56 MHz wireless frequency, according to the ISO 14443A standard with the transport protocol complying to the ISO 14443-4 standard.

The MIFARE DESFire EV2 4K keyfob contains 4K bytes of non-volatile memory, a high speed triple-DES data encryption co-processor, a flexible memory organization structure, a mutual 3-pass authentication technique together with a true random number generator and an anti-tear mechanism to guarantee data integrity during contactless transactions.

MIFARE DESFire keyfobs typically operate at a distance of up to 10cm depending on the power provided by the reader.

This keyfob is NFC forum type 4 compliant.

Sold in packs of 50.

Highly secure contactless thin keyfob with non-proprietary encryption algorithm. 4K bytes of memory. Operates at 13.56 MHz. Green, 100% waterproof. Pack of 50 fobs.

To buy, visit:
https://www.smartcardfocus.com/shop/ilp/id~1039/p/index.shtml

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MIFARE DESFire EV2 4K keyfob tag

Memory

EEPROM size [bytes]: 4096

Write-endurance [cycles]: 500 000

Data retention [years]: 25

Organisation: flexible file system

RF-Interface

Acc. to ISO 14443A: yes - up to layer 4

Frequency [MHz]: 13.56

Baudrate [kbit/s]: 106 ...848

Anticollision: bit-wise

Operating distance [mm]: Up to 100

Security

Unique Serial Number [byte]: 7, cascaded

Random Number Generator: Yes

Access keys: 14 keys per application

Multiple key sets: Up to 16 per application

Access conditions: per file

DES & DES3 security: MACing / Encipherment

AES security: MACing / Encipherment

Anti-tear supported by chip: yes

Proximity check: yes

Special Features

Multi-application : Unlimited applications, MIsmartApp

Purse functionality: Value file

Transaction MAC: Per application

Virtual Card Architecture: PICC & application level

Warranty: 1 year manufacturer's warranty

Country of origin: Taiwan

HSF code: 85235200

Chip manufacturer: NXP

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