MIFARE DESFire® EV3C

SMOOTH MIGRATION
THANKS TO MIFARE Classic® & DESFire® IN ONE CHIP

- MIFARE Classic® & MIFARE DESFire® in one Chip
- Transaction Timer & on the card generated MAC
- NFC Forum Tag Type 4 certificated with SUN function
- OTA („over-the-air") service
- Multiapplication via AppXplorer
- Dual UID support (4 Byte NUID or 7 Byte UID)
- ISO 14443A 1-4 compatibel
- Common Criteria (CC) EAL 5+ certificated
- Proximity check function
- Improved energy management
- downward compatible with MIFARE DESFire® EV2, EV1

MIFARE DESFire® **EV3 C**

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MIFARE DESFire® EV3C

CARD BODY

SPECIFICATIONS	
card format (B x H x T)	85.60 mm x 53.98 mm x 0.82 mm ± 0.05 mm
card surface	PVC glossy or matt laminated
material color	white
operating temperature	- 30°C to + 50°C

RFID-CHIP

SPECIFICATIONS	
chip type	MIFARE DESFire® EV3C 7 Byte UID
ISO standard	ISO/IEC 14443 Type A 1-4
frequency	13,56 MHz
passive resonant frequency	13,9 MHz ± 0,07 MHz
coil technology	embedded wire antenna
reading range*	up to 10 cm
memory size	2, 4 or 8 KByte
transfer rate	up to 848 kbit/s
encryption algorithms	DES, 2K3DES, 3K3DES, AES
anti collision	yes, bitwise
file system	flexible, unlimited number of applications with max. 32 files
can be combined with other RFID chips	yes, on request

ADDITIONAL FEATURES

PRINTING & MATERIAL	
printable under laminate in OSP, offset or silk screen printing	•
producible as Longlife-Card HT Card 70, 85, 100**	•

DATA MEDIA	
implanting memory or processor chips	✓
magnetic stripe (LoCo, HiCo)	•

ADDITIONAL FEATURES & FINISHING	
holograms or hot stamping foils	✓
thermo-re-write foil (TRW)	•

PERSONALIZATION	
lasering	•
thermal transfer printing	✓
dye-sublimation printing	✓
re-transfer printing	✓
DOD/Inkjet personalization	✓
encoding	✓

✓ possible afterwards by default   • available for order

*) Reading range depends on the reader used and the local conditions
**) Please note the separate information about our highly stable card designs (available on request). Due to the nature of these cards, there may be restrictions on personalization options.

The shape and dimensions of cards manufactured by us comply with ISO standard 7810. The materials used comply with EU Directive 2002/95/EC, the „Restriction of Hazardous Substances (RoHS)".