

## RFID KEY FOB KF012

### MARKETS:



Companies



Electric cars



Campsites



Hotels



Gyms



Vending

### COLOUR:



White

The KF012 is an RFID key fob made from **PVC**, a flexible thermoplastic material. It features a practical lanyard hole and a rectangular shape, making it easy to handle. **The entire surface can be fully customised** with offset and pad printing, allowing for clear branding or information, while serialisation can be applied using laser or inkjet technology. The KF012 is available in white and supports **LF (Low Frequency)**, **HF (High Frequency)**, and **combo (LF+HF) frequencies**.

### MARKETS

With an **IP67 rating**, the KF012 is highly resistant to dust and water, capable of being submerged up to one metre for twenty-four hours.

This makes it ideal for access **control applications in hot and humid environments such as gyms, swimming pools, thermal spas, or beach establishments**. It's also suitable for use across various hospitality structures. Furthermore, the KF012 can function as an **electronic wallet for charging electric vehicles at dedicated stations**.



frequency 125 kHz

#### RFID features

Chip	Memory	ISO Standard
EM4100 or GK4100	0 bytes - UID: 8 bytes	-
EM4102	0 bytes - UID: 8 bytes	-
EM4200	0 bytes - UID: 8 bytes	ISO 11784 / 11785
EM4550 or TITAN	128 bytes - UID: 8 bytes	ISO 11784 / 11785
EM4305	64 bytes - UID: 4 bytes	ISO 11784 / 11785
ATA5577 or T5567	36 bytes - UID: 8 bytes	ISO 11784 / 11785
Q5 or 5555	33 bytes - UID: 8 bytes	ISO 11784 / 11785
HITAG1	256 bytes	-
HITAG2	32 bytes	ISO 11784 / 11785
HITAG S 2048	256 bytes - UID: 4 bytes	ISO 11784 / 11785
HITAG S 256	32 bytes - UID: 4 bytes	ISO 11784 / 11785
SIC279	16/24 bytes	ISO 11784 / 11785
S5777	28 bytes - UID: 8 bytes	ISO 15693



frequency 13.56 MHz

#### RFID features

Chip	Memory	ISO Standard	NFC Standard
RF81	1024 bytes - UID: 4 bytes	ISO 14443 A	Not supported by majority of NFC devices
FM11RF08	1024 bytes - UID: 4 bytes	ISO 14443 A	Not supported by majority of NFC devices
RF005	64 bytes - UID: 7 bytes	ISO 14443 A	Not supported by majority of NFC devices
RF32	4096 bytes - UID: 4 bytes	ISO 14443 A	Not supported by majority of NFC devices
MIFARE CLASSIC 1K EV1 S50	1024 bytes - UID: 4 bytes	ISO 14443 A	Not supported by majority of NFC devices
MIFARE CLASSIC 1K EV1 S50 7 BYTES	1024 bytes - UID: 7 bytes	ISO 14443 A	Not supported by majority of NFC devices
MIFARE CLASSIC 4K EV1 S70	4096 bytes - UID: 4 bytes	ISO 14443 A	Type 2 - tag compliant
MIFARE ULTRALIGHT EV1-1	48 bytes - UID: 7 bytes	ISO 14443 A	Type 2 - tag compliant
MIFARE ULTRALIGHT EV1-2	128 bytes - UID: 7 bytes	ISO 14443 A	Type 2 - tag compliant
MIFARE ULTRALIGHT C	144 bytes - UID: 7 bytes	ISO 14443 A	Type 2 - tag compliant



frequency 13,56 MHz

#### RFID features

Chip	Memory	ISO Standard	NFC Standard
MIFARE DESFIRE EV1 2K	2048 bytes - UID: 7 bytes	ISO 14443 A	Type 4 - tag compliant
MIFARE DESFIRE EV1 4K	4096 bytes - UID: 7 bytes	ISO 14443 A	Type 4 - tag compliant
MIFARE DESFIRE EV1 8K	8192 bytes - UID: 7 bytes	ISO 14443 A	Type 4 - tag compliant
MIFARE DESFIRE EV2 2K	2048 bytes - UID: 7 bytes	ISO 14443 A	Type 4 - tag compliant
MIFARE DESFIRE EV2 4K	4096 bytes - UID: 7 bytes	ISO 14443 A	Type 4 - tag compliant
MIFARE DESFIRE EV2 8K	8192 bytes - UID: 7 bytes	ISO 14443 A	Type 4 - tag compliant
MIFARE DESFIRE EV3 2K	2048 bytes - UID: 7 bytes	ISO 14443 A	Type 4 - tag compliant
MIFARE DESFIRE EV3 4K	4096 bytes - UID: 7 bytes	ISO 14443 A	Type 4 - tag compliant
MIFARE DESFIRE EV3 8K	8192 bytes - UID: 7 bytes	ISO 14443 A	Type 4 - tag compliant
MIFARE DESFIRE LIGHT	640 bytes - UID: 7 bytes	ISO 14443 A	Type 4 - tag compliant
MIFARE PLUS SE	1024 bytes - UID: 7 bytes	ISO 14443 A	Not supported by majority of NFC devices
MIFARE PLUS 2K	2048 bytes - UID: 7 bytes	ISO 14443 A	Not supported by majority of NFC devices
MIFARE PLUS 4K	4096 bytes - UID: 7 bytes	ISO 14443 A	Not supported by majority of NFC devices
MIFARE PLUS X 2K	2048 bytes - UID: 7 bytes	ISO 14443 A	Not supported by majority of NFC devices
MIFARE PLUS X 4K	4096 bytes - UID: 7 bytes	ISO 14443 A	Not supported by majority of NFC devices
MIFARE PLUS EV2 2K	2048 bytes - UID: 7 bytes	ISO 14443 A	Not supported by majority of NFC devices
MIFARE PLUS EV2 4K	4096 bytes - UID: 7 bytes	ISO 14443 A	Not supported by majority of NFC devices
ATC1024-MV110	944 bytes - UID: 8 bytes	ISO 15693	Not supported by majority of NFC devices
ATC256-MV410	224 bytes - UID: 8 bytes	ISO 15693	Not supported by majority of NFC devices
ATC4096-MP311	4096 bytes - UID: 7 bytes	ISO 14443 A	Not supported by majority of NFC devices
CTC4096-MP410	2984 bytes (advant) / 1002 bytes (prime) - UID: 4/7 bytes	ISO 14443 A	Not supported by majority of NFC devices
CTC4096-MM410	2984 bytes (advant) / 1002 bytes (prime) - UID: 4/7 bytes	ISO 15693 - ISO 14443 A	Not supported by majority of NFC devices
EM4233	256 bytes - UID: 8 bytes	ISO 15693	Not supported by majority of NFC devices



frequency 13,56 MHz

#### RFID features

Chip	Memory	ISO Standard	NFC Standard
ICODE SLI-S	256 bytes - UID: 8 bytes	ISO 15693	Type 5 - tag compliant
ICODE SLIX	128 bytes - UID: 8 bytes	ISO 15693	Type 5 - tag compliant
ICODE SLIX2	316 bytes - UID: 8 bytes	ISO 15693	Not supported by majority of NFC devices
ICODE SLIX-S	160 bytes - UID: 8 bytes	ISO 15693	Type 5 - tag compliant
ICODE DNA	252 bytes - UID: 8 bytes	ISO 15693	Type 5 - tag compliant
MIM1024/PRIME	1024 bytes	ISO 14443 A	Not supported by majority of NFC devices
MIM256/PRIME	256 bytes	ISO 14443 A	Not supported by majority of NFC devices
NTAG210	48 bytes - UID: 7 bytes	ISO 14443 A	Type 2 - tag compliant
NTAG212	128 bytes - UID: 7 bytes	ISO 14443 A	Type 2 - tag compliant
NTAG213	144 bytes - UID: 7 bytes	ISO 14443 A	Type 2 - tag compliant
NTAG215	504 bytes - UID: 7 bytes	ISO 14443 A	Type 2 - tag compliant
NTAG216	888 bytes - UID: 7 bytes	ISO 14443 A	Type 2 - tag compliant
NTAG213 TT (TAG TAMPER)	144 bytes - UID: 7 bytes	ISO 14443 A	Type 2 - tag compliant
NTAG413 DNA	32/128 bytes - UID: 7 bytes	ISO 14443 A	Type 4 - tag compliant
NTAG424 DNA	416 bytes - UID: 7 bytes	ISO 14443 A	Type 4 - tag compliant
ST25TV02K	250 bytes - UID: 8 bytes	ISO 15693	Type 5 - tag compliant
ST25TB512	64 bytes - UID: 8 bytes	ISO 14443 B	Type 4 - tag compliant
ST25TB04K	512 bytes - UID: 8 bytes	ISO 14443 B	Type 4 - tag compliant
ST25TB02K	256 bytes - UID: 8 bytes	ISO 14443 B	Type 4 - tag compliant
TAG-IT 256	32 bytes - UID: 8 bytes	ISO 15693	Type 5 - tag compliant
TAG-IT 2K	256 bytes - UID: 8 bytes	ISO 15693	Type 5 - tag compliant
MB89R118	2000 bytes - UID: 8 bytes	ISO 15693	Not supported by majority of NFC devices





frequency 125 kHz + 13.56 MHz

#### RFID features

Chip	Memory	ISO Standard	NFC Standard
MIFARE CLASSIC 1K EV1 S50 + EM4100	1024 bytes (HF) + 0 bytes (LF) - UID: 4/7 bytes (HF) + 8 bytes (LF)	ISO 14443 A	Not supported by majority of NFC devices
MIFARE CLASSIC 1K EV1 S50 + EM4200	1024 bytes (HF) + 0 bytes (LF) - UID: 4/7 bytes (HF) + 8 bytes (LF)	ISO 14443 A + ISO 11784 / 11785	Not supported by majority of NFC devices
MIFARE CLASSIC 4K EV1 S70 + EM4200	4096 bytes (HF) + 0 bytes (LF) - UID: 4 bytes (HF) + 8 bytes (LF)	ISO 14443 A + ISO 11784 / 11785	Type 2 - tag compliant
MIFARE CLASSIC 1K EV1 S50 + T5567	1024 bytes (HF) + 36 bytes (LF) - UID: 4/7 bytes (HF) + 8 bytes (LF)	ISO 14443 A + ISO 11784 / 11785	Not supported by majority of NFC devices
MIFARE CLASSIC 4K EV1 S70 + T5567	4096 bytes (HF) + 36 bytes (LF) - UID: 4 bytes (HF) + 8 bytes (LF)	ISO 14443 A + ISO 11784 / 11785	Type 2 - tag compliant
MIFARE CLASSIC 1K EV1 S50 + 5555	1024 bytes (HF) + 33 bytes (LF) - UID: 4/7 bytes (HF) + 8 bytes (LF)	ISO 14443 A + ISO 11784 / 11785	Not supported by majority of NFC devices
MIFARE CLASSIC 4K EV1 S70 + 5555	4096 bytes (HF) + 33 bytes (LF) - UID: 4 bytes (HF) + 8 bytes (LF)	ISO 14443 A + ISO 11784 / 11785	Type 2 - tag compliant
RF81 + EM4200	1024 bytes (HF) + 0 bytes (LF) - UID: 4 bytes (HF) + 8 bytes (LF)	ISO 14443 A + ISO 11784 / 11785	Not supported by majority of NFC devices
RF81 + T5567	1024 bytes (HF) + 36 bytes (LF) - UID: 4 bytes (HF) + 8 bytes (LF)	ISO 14443 A + ISO 11784 / 11785	Not supported by majority of NFC devices
RF81 + 5555	1024 bytes (HF) + 33 bytes (LF) - UID: 4 bytes (HF) + 8 bytes (LF)	ISO 14443 A + ISO 11784 / 11785	Not supported by majority of NFC devices
MIFARE DESFIRE 4K EV3 + EM4200	4096 bytes (HF) + 0 bytes (LF) - UID: 7 bytes (HF) + 8 bytes (LF)	ISO 14443 A + ISO 11784 / 11785	Type 4 - tag compliant
MIFARE DESFIRE 8K EV3 + EM4200	8192 bytes (HF) + 0 bytes (LF) - UID: 7 bytes (HF) + 8 bytes (LF)	ISO 14443 A + ISO 11784 / 11785	Type 4 - tag compliant
MIFARE DESFIRE 4K EV3 + ATA5577	4096 bytes (HF) + 36 bytes (LF) - UID: 7 bytes (HF) + 8 bytes (LF)	ISO 14443 A + ISO 11784 / 11785	Type 4 - tag compliant



#### Technical specifications

<b>Dimensions</b>	50 x 30 x 1 mm; hole: ø 5 mm
<b>Material</b>	PVC
<b>Operating and storage temperature</b>	-35°C ~ +75°C

#### Customisation

<b>Colours</b>	White
<b>Type of printing</b>	Offset printing, pad printing
<b>Type of numbering</b>	Laser, inkjet technology

