



HP038 is an RFID key fob made of PVC, a ductile thermoplastic material with high resistance to very high and low temperatures. Designed with a hole for a string, **it is rectangular in shape and the entire surface can be customised** using offset or pad printing and **epoxy printing**, while serial numbering can be applied using laser and inkjet techniques. It is available in **LF, HF and combo**

(LF+HF) frequencies and comes in white.

MARKETS

The **IP67** rating makes this key fob resistant to dust and water, such that it can be submerged to a depth of one metre for twenty-four hours. Because of this, HP038 is ideal for **access control and user identification in warm, damp environments such as gyms,**

swimming pools and spas, but also for access to hotels, campsites and tourist resorts. It can also be used as a **virtual wallet at vending machines, laundromats, self-service car washes and electric car charging posts.**



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



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
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
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
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

Dimensions 45 x 22 x 3 mm

Material PVC

Weight 0.5 g

Operation and storage temperature -35°C ~ +75°C

Customisation

Colours White

Type of printing Offset printing, pad printing, epoxy printing

Type of numbering Laser, inkjet technology

