

# MIFARE® Tag selection

MIFARE EV1 1K Card  
MIFARE EV1 1K Keyfob  
MIFARE EV1 1K Tag 2402  
MIFARE 1K Tag 1802



MIFARE® tags possess multi-application capabilities and high security features enabled by MIFARE® technology.

## Specification

	MIFARE EV1 1K Card	MIFARE EV1 1K Keyfob
<b>Chip Type</b>	Mifare Classic EV1 1K, ISO/IEC 14443A	Mifare Classic EV 1K, ISO/IEC 14443A
<b>Size</b>	Credit card	Keyfob
<b>Operating Temperature</b>	-20 ... +50 °C	-20 ... +50 °C
<b>Storage Temperature</b>	-20 ... +50 °C	-20 ... +50 °C
<b>Protection Class</b>	IP 67	IP 67
<b>Colour</b>	White	White/Black
<b>Key Applications</b>	Public transportation Access management Event ticketing Gaming Identity Biometrics	Public transportation Access management e-commerce e-business Gaming Identity
<b>Key Features</b>	1 kbyte EEPROM (768 Bytes free available)	1 kbyte EEPROM (768 Bytes free available)
	Unique serial number (4 Byte and 7 Byte)	Unique serial number (4 Byte and 7 Byte)
	16 securely separated sectors supporting multi-application Each sector consists of 4 blocks with a length of 16 Byte 2 x 48 bit keys per sector for key hierarchy	16 securely separated sectors supporting multi-application Each sector consists 4 blocks with a length of 16 Byte 2 x 48 bit keys per sector for key hierarchy
	Access conditions free configurable based on 2 keys	Access conditions free configurable based on 2 keys
	Number of single write operations: 100.000	Number of single write operations: 100.000
	Data retention: 10 years	Data retention: 10 years

## Specification

	MIFARE EV1 1K Tag 2402	MIFARE 1K Tag 1802
<b>Chip Type</b>	Mifare Classic 1K, ISO/IEC 14443A	Mifare Classic 1K, ISO/IEC 14443A
<b>Size</b>	Diameter 24 mm, thickness 2 mm	Diameter 18 mm, thickness 2 mm
<b>Operating Temperature</b>	-25 ... +70 °C	-30 ... +70 °C
<b>Storage Temperature</b>	-25 ... +85 °C	-40 ... +70 °C
<b>Protection Class</b>	IP 66	IP67
<b>Colour</b>	Red	Black
<b>Other</b>	Available with a black leather keyfob that can be customer-tailored.	Available with a black leather keyfob that can be customer-tailored.
<b>Key Applications</b>	Public transportation Access management Event ticketing Gaming Identity	Public transportation Access management Event ticketing Gaming Identity Biometrics
<b>Key Features</b>	1 kbyte EEPROM (768 Bytes free available)	1 kbyte EEPROM (768 Bytes free available). Unique serial number (4 Byte and 7 Byte). 16 securely separated sectors supporting multi-application. Each sector consists 4 blocks with a length of 16 Byte. 2 x 48 bit keys per sector for key hierarchy.
	Unique serial number (4 Byte and 7 Byte)	Access conditions free configurable based on 2 keys
	Each sector consists 4 blocks with a length of 16 Byte	Number of single write operations: 100.000
	Access conditions free configurable based on 2 keys	Data retention: 10 years
	Number of single write operations: 100.000	
	Data retention: 10 years	