

MIFARE Classic 1K Metal Surface Tag



The ever-popular MIFARE Classic 1K chip from NXP. This tag is designed to be attached on a metal surface, utilising specially designed shielding to allow continued contactless use without interference. Operates at 13.56 MHz wireless frequency, according to the ISO 14443A standard, and contains 1Kbytes of read/write memory that can be used for multiple applications.

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

Ideal for MIFARE Classic applications where the required surface is metal.

This tag is NFC forum enabled.

Supplied as 45mm x 30mm x 3mm self-adhesive tags with printed design.

Pricing is per tag.

Limited stock remaining

Contactless MIFARE Classic tag for use on metal surfaces. 1K byte of memory. Operates at 13.56 MHz. 45mm x 30mm x 3mm.

To buy, visit:

<https://www.smartcardfocus.com/shop/ilp/id~301/mifare-classic-1k-metal-surface-tag/p/index.shtml>

This Product Briefing has been produced by Dot Origin Ltd, the smart card experts behind SmartcardFocus.com. If you have a query email sales@smartcardfocus.com or call us on +44 (0)1428 685250.

MIFARE Classic cards & tags

MIFARE Classic, RF Interface (ISO/IEC 14443 A)

Operating distance: Up to 100mm

Operating frequency: 13.56 MHz

Data transfer: 106 kbit/s

Data integrity: 16 Bit CRC, parity, bit coding, bit counting

Typical ticketing transaction: <100 ms (including backup management)

EEPROM

MIFARE Classic 1K - 1 Kbyte, organized in 16 sectors with 4 blocks of 16 bytes each (one block consists of 16 byte)

MIFARE Classic 4k - 4 Kbyte, organised in 32 sectors with 4 blocks and 8 sectors with 16 blocks (one block consists of 16 bytes)

User definable access conditions for each memory block

Data retention of 10 years

Write endurance 100.000 cycles

Security

Mutual three pass authentication (ISO/IEC DIS 9798-2)

Individual set of two keys per sector (per application) to support multi-application with key hierarchy

Unique serial number for each device

A picture of the MIFARE Classic 1K thin keyfob is shown below.



Manufacturer: NXP