WIRELESS / RFID / NFC

MiFare Classic (13.56MHz RFID/NFC) Charm - 1KB

PRODUCT ID: 884

DESCRIPTION

This is a blank MiFare Classic tag embedded in a phone charm. These tags are like those often used for train/bus passes but also found in other systems where a proximity card is desired. The tag contains a NXP S50 chip and an antenna, and is passively powered by the reader/writer when placed a couple inches away. Since this tag has a small antenna, it has to be closer to the antenna than, say, a large credit-card sized tag.

These can be read by almost any 13.56MHz RFID/NFC reader but make sure it can handle MiFare cards as there are a few other encoding standards (like FeLica) They are tested and work great with both our PN532 NFC/RFID breakout board and Adafruit NFC/RFID Shield for Arduino!

These chips can be written to & store up to 1 KB of data in writable EEPROM divided into banks, and can handle over 100,000 re-writes. You can use our PN532 NFC/RFID breakout board or Adafruit NFC/RFID Shield for Arduino to read and write data to the EEPROM inside the tag. There is also a permanent 4-byte ID burned into the chip that you can use to identify one tag from another - the ID number cannot be changed.

These use the S50 chipset, which used to be the 'classic' NFC chipset. In ~2014, the NFC forum decided not to support this chipset anymore, so newer phones do not support the MiFare classic. This only matters if you're trying to use this tag with a phone/tablet.