# AcuCombo ISO Mifare 1K & AcuProx
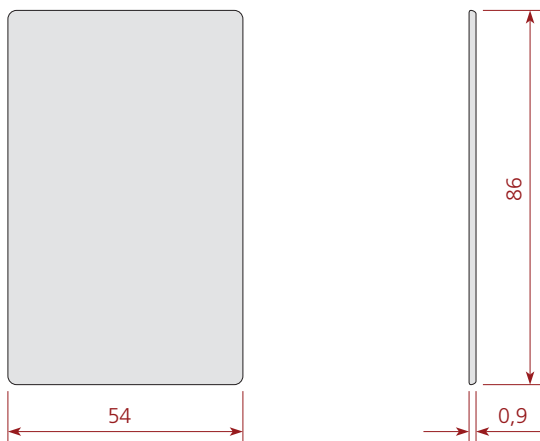
The Mifare 1K ISO card is compatible with AcuCombo & AcuProx readers; 2 technologies in one card. This card operates at frequencies of 125 kHz and 13.56 MHz, ideal for use in systems using Mifare technology and low frequency.

Purchase Code: 500.256

## Product Description

The Mifare 1K ISO proximity card for AcuCombo & AcuProx readers is a passive RFID card that operates in both 13.56 MHz and 125 kHz. This card has a format similar to a credit card.  For each AcuCombo frequency it has a number of different IDs, Mifare technology, 1 Kbyte of memory and allows rewrite. The AcuProx card has unique ID number pre-recorded at the factory and is read-only.  The ISO AcuCombo is made of durable PVC, has excellent performance in reading and allows printing on both sides. It is used in large-scale public transport, payment systems, loyalty program, access control and security, etc.

## Dimensions [mm]



54 · 86 · 0,9

## Technical specifications

### Electrical Characteristics

| | |
|---|---|
| Technology | LF and HF (passive) |
| Type | ISO |
| Modulation | ASK |
| Operation Frequency | 125 KHz and 13,56 MHz |
| Chip RFID | Unique EM4102 (RO) or compatible MIFARE S50 |
| Memory Configuration | 125 kHz - 64 bits, 40 bits ID<br>13,56 MHz - 1KByte |
| Reading Range* | 06 to 10 cm with Reader AP-15<br>21 to 26 cm with Reader AP-30<br>33 to 40 cm with Reader AP-60<br>2 cm with Reader AM-08<br>3,5 cm with Reader AM-10 |
| Applications | Personnel identification, Monetary Transactions, Public Transportation. |

### Operational Characteristics

| | |
|---|---|
| Encapsulation | PVC bright |
| Weight | 6g |
| Dimensions | 54 x 85,6 x 0.9 mm |
| Operating Temperature | -25°C to +55°C |
| Storage Temperature | -25°C to +80°C |
| Degree of Protection | IP68 |
| Hole | Not recommended |

* The reader requires a regulated 12V DC power source stabilized for installation in an environment without electromagnetic noise and without the presence of metal surfaces near the reader.

## Advantages

• Greater security in data transmission;

• Dual operation technology;

• 1K memory with Mifare;

• Compatible with AcuMifare and AcuProx readers.

A ACURA pode, sem aviso prévio, realizar alterações ou melhorias aos produtos, assim como interromper sua comercialização.

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