AcuraGlobal
The Identification Company

AcuMifare ISO 1K

The AcuMifare 1K ISO RFID Card is the best solution for applications for greater security in data transmission. It has 1Kbyte memory and triple encryption, ideal for monetary transactions. It is durable and has good read performance.

Purchase Code: 500.143

Features

The AcuMifare 1K ISO Card is a passive RFID read/write card. The AcuMifare line has a format similar to a credit card, has 1K of memory and follows the ISO / IEC 14443 Type A standard. Made of PVC, the AcuMifare 1K ISO card is durable and has excellent reading performance. It is used in large-scale public transportation and payment systems. Due to the triple encryption, 1Kbyte memory, unique ID number and ability to increment and decrement calculations. The Mifare ISO card can store data and make monetary transactions quickly and securely. This card also allows printing on both sides.

Advantages

- Greater security in data transmission;
- 1 Kbyte of memory (standard version) and triple encryption;
- Compatible with the AcuMifare family of readers;
- Allows monetary transactions, which makes it ideal for applications such as public transportation, payment systems, libraries and colleges, among many applications.

Dimensions [mm]
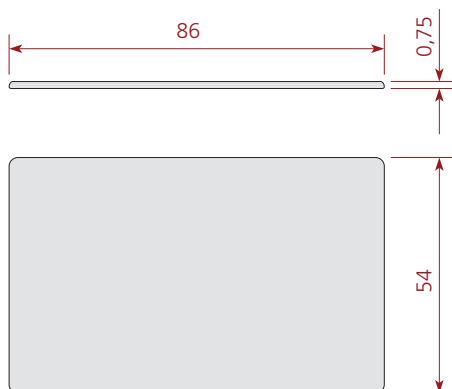
Technical Specifications

Electrical Characteristics

Technology	HF - (High Frequency / passive)
Type	ISO
Protocol	ISO/IEC 14443-A
Frequency of Operation	13,56 MHz
Chip RFID	NXP-MF1ICS50 or compatible
Memory Configuration	1 kByte
Reading Range*	Up to 3,5 cm with Reader AM-08 Up to 5 cm with Reader AM-11
Applications	Tickets / Access Control / Identification
Lifetime**	10 years data retention 100,000 write cycles

Operational Characteristics

Encapsulation	Bright white PVC
Weight	6,1 g
Dimensions	86 x 54 x 0,75 mm
Operating Temperature	-25°C to +50°C
Storage Temperature	-25°C to +50°C
Degree of Protection	IP68
Hole	Not recommended

* Please consider powering reader with a regulated and stabilized 12V DC power source. Installation in an environment without electromagnetic noise and without the presence of metal surfaces near the reader will produce the best results.
** Within specifications.