

MIFARE SAM TOOL

Mifare SAM Manager (MSAM) is The Tool for the management of Mifare SAM ICs which allow embedding high security in Smart Card systems based on the Mifare Classic, Mifare Ultralight C, Mifare PLUS and Mifare DesFIRE cards.

Code: PT-MSAM-V3.0 Mifare SAM Manager 01EPV.doc
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MSAM USE CASE

A Contactless Smart Card Ticketing System with several actors (Several Transport Operator, Rloading nets etc.) which requires the need to secure it but in a flexible way. This requires:

- The keys should not be accessible.
- The information and the SAMs units must be under control.

MSAM KEY APPLICATIONS

Management of SAMs of secure contactless Integrated Ticketing Systems for Public Transports.

Management of SAMs of secure contactless Citizen Cards.

Management of SAMs of secure contactless Access Control Systems.

MSAM WORLDWIDE



MSAM KEY FEATURES

Functions

- SAM Configuration and Reconfiguration.
- Stock Management.
- Stock and Activity report.
- Remote commands generation and testing.

Types of configuration

Mifare SAM: EV1 and EV2.

Mifare Cards: Classic, PLUS, DESFIRE (EV0 and EV1).

Keys: 16 Bytes 3DES, 24 Bytes 3DES, AES128, AES192.

Key Management

- Full KeyEntries.
- Full KucEntries management.

Others

- Secured Application.
- Users and Profiles management.
- Compatible with any PC-SC readers.
- Friendly and Easy to use.
- Multilanguage.

TECHNICAL SPECIFICATIONS

Product Features

Platform requirements

Minimum RAM memory	1 GB
Operating System	Windows 7 and previous versions

Application Parameters

Number users for SAM Generation	1-3
Access with contactless card	none or 1
Keys visibility	Visible or no visible to user

Data encryption

User Password	Always required
Access Contactless cards SN	Always required
SAM Keys	Always required if stored internally
Keys stored on contactless cards	Configurable none -1-2
Multi language	Multilanguage: Spanish-English and ready for other Latin alphabet languages

Look Personalization

Logos	Configurable
Application Wallpaper	Configurable
Customer Name	Configurable
Partner/Distributor name logo	Configurable

SAM configuration

SAM for different equipments	No limits for the number of different SAM possible configurations for different equipments
KEY setting	Defined independently for better management

STOCK Management

Location Movement management	No limits of number of locations
Movements	Unit by unit or massive

Application Users

Management	Profile an User's Management
Control of minimum users	Configurable minimum users logged to allow SAM generation

Reports

Activity reports	By SAM, user and period
STOCK Management	SAM's locations

SAM generation

Modelled by Reconfiguration	SAM Generation is based of a Flexible Reconfiguration model
Sam Verification	Sam Verification Tool
Off-line command	Off-line commands to test remote management