



Secure your SAM keys



SAM AV3 CARD CONFIGURATION SOFTWARE

Generate your keys and securely duplicate your cryptographic secrets.

Ceremony® is the software designed to manage your SAM cards for all use cases.

In expert mode, Ceremony® provides access to every configuration parameters of NXP SAM cards, including AV3. With its user-friendly interface, you can define the schema of your SAM cards, conduct a key ceremony, and create cards, including via duplication.

Designed for efficient management of your SAM cards, Ceremony® integrates user management and access rights, secure configuration formats, and all card activation, personalization, and locking functions.

With its duplication feature you can easily select a subset of keys to copy to create SAM cards containing only the keys required by one of your systems – for example limited to the keys used by door controllers for access control.



Requirements

- PC with Windows 10 or Windows 11
- 1 or 2 contact smart card readers
- Uses a Scopus SAM card for license management



Features

- ✓ Manage SAM cards (AV1, AV2, AV3)
- ✓ Run key ceremonies
- ✓ Set key parameters
- ✓ Generate RSA key pairs
- ✓ User and rights management
- ✓ Activate SAM
- ✓ Personalize SAM
- ✓ Duplicate SAM
- ✓ Lock/Unlock SAM



KEY CEREMONY



CREATION OF A HIGH-SECURITY STORAGE

The key ceremony is a two step process. First you generate all the encryption keys required for your different applications on your badge. Then you securely record these keys onto the tamper-proof medium of a SAM.

The SAM card will then be used to access encrypted information contained in user badges for various applications, such as:

- Access control
- User enrollment
- Time management
- Computer logon

As experts in implementing secure and trusted identifiers, Scopus supports you through this key ceremony operation and the preceding steps:

- ✓ Consulting
- ✓ Security audit
- ✓ Training on badge technologies
- ✓ Design: mapping your badge and identifiers
- ✓ Charts: encoding graphics

SAM Secure Access Module

Acting as a true digital safe, the SAM card is a module that stores cryptographic keys in a confidential and highly secure manner.

Certified with a security evaluation level of EAL 6+, it is designed to be tamper-proof, ensuring that security information (keys) never leaves once stored.

The card features strong encryption (AES) and allows the integration of access keys (authentication and encryption keys) into MIFARE® DESFire® cards, ensuring the confidentiality of all your data.



No changes requiring access can be performed without the client being present. The client retains full control over the keys at all times.