



THE READER-ENCODER OF SECRET KEYS

SWITCH TO YOUR OWN KEYS!

The Switch® is a stand-alone, secure encoder that allows to convert the keys of a badge in a single gesture to private and confidential encryption keys.

No need for software or special skills, the Switch® converts keys autonomously and also allows badge control. The Switch® has 2 slots allowing to SAM modules in SAM-SIM format.

The first SAM card contains the standard encryption keys or transport keys defined by the operator.

The second SAM card is generated during a key ceremony to allow the operator to transmit his private encryption keys in a completely confidential and securely.



- ✓ Autonomous
- ✓ Easy to use
- ✓ Silent
- ✓ Scalable
- ✓ 64-bit processor
- ✓ Oled display
- ✓ USB-C power supply
- ✓ TWO SAM modules



Switch® : how it works

On site, the encoder easily switches the keys without ever knowing it.



Switch® can be cascaded from partner to partner to end-users or destination sites.



- Fully autonomous
- Does not require connection to a computer
- Four operating modes (2 in programming and 2 in verification):
 - Transport keys to secret keys
 - Secret keys to transport keys
 - Verification of secret keys
 - Verification of transport keys

- Using 2 SAM AV2/AV3 cards
- Encrypted parameter files
- Flexible and customizable configuration
- Use of simple or derived keys
- Compatible MIFARE® DESFire® EV1, EV2, EV3.

Switch® : uses

Switch® ensures the security of the cards when they are transported from one site to another.

These cards are initially programmed with transport keys that are inactive at the operator's site, in favor of private operating keys.

The operator will be able to have his cards produced in full with transport keys, either in an internal badge office or outsourced and then have the final keys programmed directly on the final site of use.

The version status of the badge keys is automatically controllable by the Switch® which also allows the deprogramming of the private keys of the badge to return to a transport state.

In case of key compromise, Switch® allows to change the keys of the cards very quickly without having to change the cards again.

The operator can implement a regular key change policy by simply reprogramming the keys with the Switch® without having to change the cards.

scopus.fr



The badge that
already
answers your needs.



Switch® works perfectly with AiO® badges designed by SCOPUS.

AiO® is a pre-configured badge that responds in a standardized way to the main use cases of the badge.

AiO® is an encoded and scalable MIFARE® DESFire® badge, which that you can customize according to your needs.



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