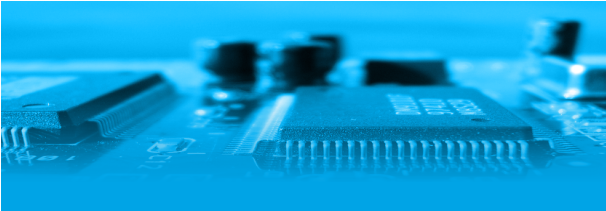


# PRODUCT DATASHEETS

## OFFLINE RIGHTS UPDATE TERMINAL



### Highlights

#### EASE OF USE

Users no longer have keys, but a unique badge, whose offline access rights can be modified ad infinitum, to access their office, restricted common rooms, etc.

#### SAVINGS ON LESS SECURE ACCESSES

Cost and operation of offline OSS solutions are much lower than those associated with managing a key management system (loss, replacement, etc.).

#### GLOBAL FLEXIBILITY AND OSS OFFLINE STANDARD

MICROSESAME manages all access rights centrally, from both offline & online locks and wired readers, depending on the security required for each access. OSS is an offline access control standard supported by several mechatronic lock manufacturers.

#### ANSSI-DIRECTED SECURITY

TLSv1.3 encryption of IP communications. Offline OSS key storage on an ANSSI-certified EAL5+ HSM "safe" inside the terminal.

### Main features

- Independently performs both the initial encoding and UPDATER functions for DESFIRE badges for offline access control to the OSS standard during badging:
  - Write OSS Terminal -> badge: initial encoding the 1st time (T1 2023) + validity date + access groups + offline time slots, black list
  - Reading OSS badge -> Bollard: Alarms + Events written by the locks, entered in the MICROSESAME history. The terminal then deletes them from the badge
- OSS standard limits for offline data per site and per badge/user: 255 access groups, 15 time slots (global) of 4 day groups with 4 slots each, 200 events, blacklist of 100 prohibited persons



### Access to interior doors by badge

TIL's Offline OSS solution makes it easy to integrate interior doors into the centralized MICROSESAME access control system, without the need for wiring. At the door, a mechatronic lock combines a battery-powered, stand-alone access control reader with a mechanical locking device.

Access rights, stored in users' badges for a defined period of validity, must be periodically reloaded on a terminal, connected by IP to MICROSESAME, or on an update reader, connected to a specialized MLP2-OSS module.

This Offline OSS architecture offers the advantages of centralized management of access rights, while eliminating the need for a real-time wired connection between the doors and the server.

The rights reloading terminal integrates the automatic initial encoding of badges. This eliminates the need for a dedicated operator on a client workstation.

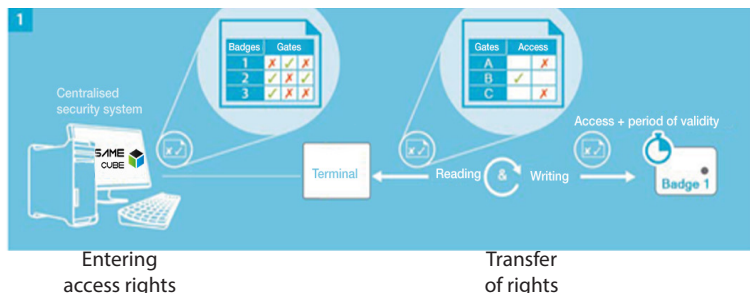
It can also manage a blacklist of identifiers to be blocked (following loss, theft, etc.): each time a badge is reloaded on the terminal, this list is then distributed "like a virus" by successive badgings on the mechatronic locks. A short validity period (24-48 hours) is recommended for rapid repercussion of access rights, blacklists and time slots, as well as frequent retrieval of passage histories.

### INTEGRATED BMS, INTRUSION AND ACCESS CONTROL SYSTEM

MICROSESAME CUBE	OFFLINE OSS TERMINAL	TILLYS CUBE	MLP2 OSS CUBE	EVOLUTION READER

# OFFLINE RIGHTS UPDATE TERMINAL

## Operating principles



Writing: initial encoding, access rights, validity date, black list  
Reading: alarms & events

- Memory size & read/write time depending on data processed

Groups access, TS	Events	Users on Blacklist	Times	Offline AID size
50 access / 5 time slots	50	5	1,5 s	1 KB
50 access / 5 time slots	100	20	2,5 s	2 KB
255 access / 15 time slots	50	10	2,5 s	2 KB
255 access / 15 time slots	200	100	6,5 s	5 KB

## Product references

- **BORNE-OFFLINE-OSS** : Remote touch screen CARDIGO CUBE - 7 inches - colour - horizontal mounting - pour encodage & mise à jour des droits d'accès offline OSS des badges DESFIRE - Ethernet IP connection with MICROSESAME CUBE v.2021.5 and superior - Secured black Evolution reader module under screen integrated.

## Technical details

<b>Power supply</b>	12 to 28 VDC
<b>Consumption</b>	150 mA with reader and inactive screen, 300 mA with reader module and active screen
<b>Horizontal screen dimension + module reader</b>	175 x 190 x 32 mm
<b>Display</b>	7-inch capacitive, 800 x 480 pixel color display
<b>Connections</b>	Ethernet 10/100 Mbits @IP fixed + 1 micro-USB port
<b>Badge technologies</b>	ISO14443-A : DESFIRE EV1/ EV2 native, EV3 emulated EV1. 4K minimum and version 8K recommended. CMK free badge is not mandatory
<b>ID memory capacity</b>	50 000 DESFIRE badges
<b>Offline OSS mechatronics manufacturers validated</b>	APERIO OSS from ASSA ABLOY
<b>Reading distance</b>	Up to 5 cm
<b>OSS Offline AID</b>	Configurable on the kiosk's on-board web server according to OSS standard requirements (1 AID, 4 files, memory size according to data, etc.). Each single-site terminal updates its offline OSS rights on its own site.
<b>Badge read/write time</b>	from 1.5 sec (date validity only) to 7 sec depending on data read
<b>MICROSESAME comptability</b>	MS v2021.5 and above
<b>Mouting</b>	Wall mounting with 4 screws or flush mounting box
<b>Protection</b>	Anti-tear by accelerometer
<b>Acoustic signaling</b>	Integrated loudspeaker
<b>Operating temperature</b>	-10°C to +55°C (indoor)
<b>Weight</b>	0, 475kg