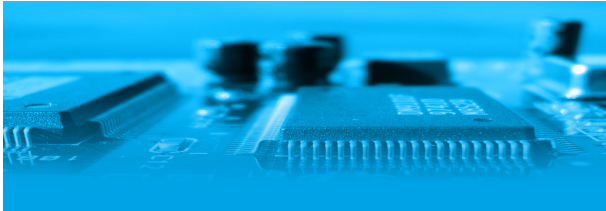# PRODUCT DATASHEET

APERIO OFFLINE ACCESS CONTROL

Highlights

EASY IMPLEMENTATION
The initial encoding of MIFARE badges in APERIO Offline format is carried out directly when a user (known to MICRO-SESAME) passes through a loading terminal.

CONTINUITY OF OPERATIONS
If there is a loss of connection with the MICRO-SESAME server, the rights loading terminals operate autonomously. Up to 40,000 badges can be loaded locally.

THE FLEXIBILITY OF A CENTRALISED SYSTEM
MICRO-SESAME knows how to mix technologies. It manages both the rights of offline readers (low-security accesses), and of online readers (high-security accesses).
Multi-site management is also possible.

Main features

- Each reader is identified separately (not by group), so access rights can be managed completely in MICRO-SESAME without ever having to change their configuration.
- The validity period of the badges can be set for each user.
- The reader alarms (low battery...) are transferred to the user badges and transmitted to MICRO-SESAME at the next stop in front of the charging station.
- Each APERIO Offline reader can take on board up to the last 200 events
- The history of the passages can be tracked in MICRO-SESAME via user badges or must be collected on each access with a specific audit badge.

Access to the interior doors by badge

The APERIO "Offline" solution integrated by TIL TECHNOLOGIES makes it easy to add interior doors to the building's access control system without cabling.

At the door, a locking mechanism combines an access control reader and a mechanical locking device.

Access rights are stored directly in the user badges for a defined period of time.
Periodic recharging of these rights requires the passage in front of specific terminal, connected by IP to MICRO-SESAME.

This architecture combines the convenience of centralised and modifiable rights, with the savings of an offline system. The return on investment is guaranteed in terms of the costs and constraints because you avoid management of a mechanical key organisation chart.
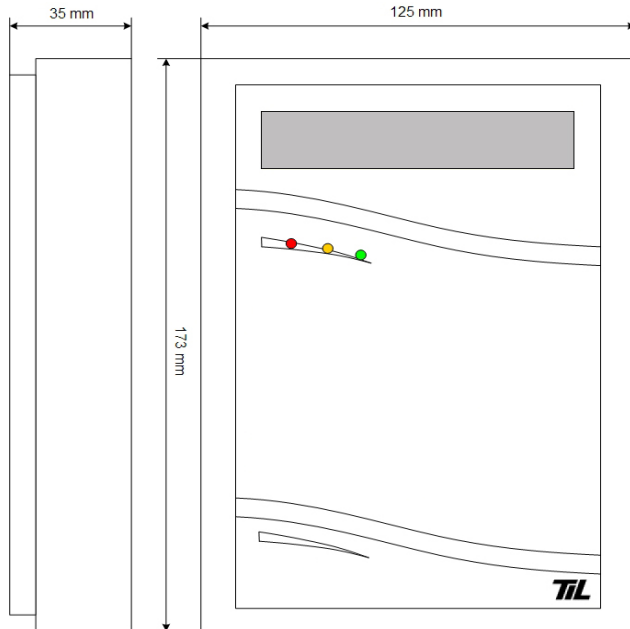
ELECTRONIC HANDLES AND CYLINDERS

RIGHTS ADMINISTRATION	ONLINE SYSTEM			OFFLINE SYSTEM	
MICRO-SESAME OFFLINE + ONLINE	Reader	+ Radio hub	+ Control unit	Reader	+ Rights loading terminal

APERIO OFFLINE

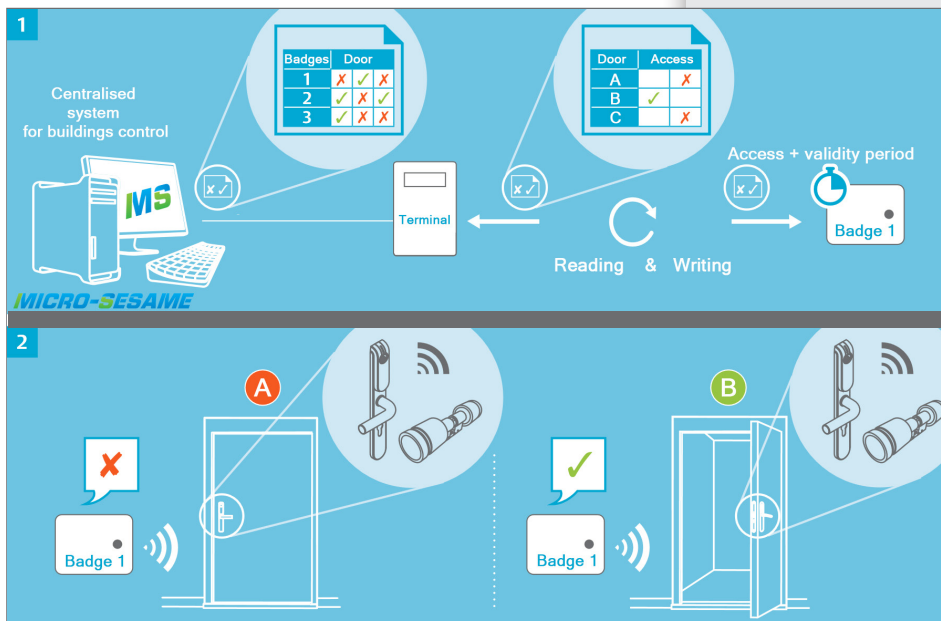## Rights loading terminal

Front and site views

35 mm

125 mm

173 mm

Technical details

- MICRO-SESAME compatibility : V.2015 minimum
- Parameter setting: embedded web server
- On-board memory capacity : 40,000 badges
- Supported contactless cards : MIFARE Classic or DESFIRE (4KB minimum recommended)
- Reading distance : up to 5 cm
- Signalling : LED, red or green + 2 lines of 20 characters display
- Power supply : 12 to 15 VDC and PoE class 3
- Power consumption : 100 mA (average)
- Dimensions : 173 x 125 x 35 mm
- Weight : 0.53 kg
- Mounting : wall mount with 4 screws
- Connections: : Ethernet (RJ45) and screw terminals
- Operating temperature : -10°C to +50°C

Illustrative diagram

ISO 9001
BUREAU VERITAS
Certification

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SECURITY SYSTEMS

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