ACCESS CONTROL

Access control in the domain of security refers to the various technical solutions used to manage and secure physical access. Thus, it is referred to as physical access control.

ADVANTAGES

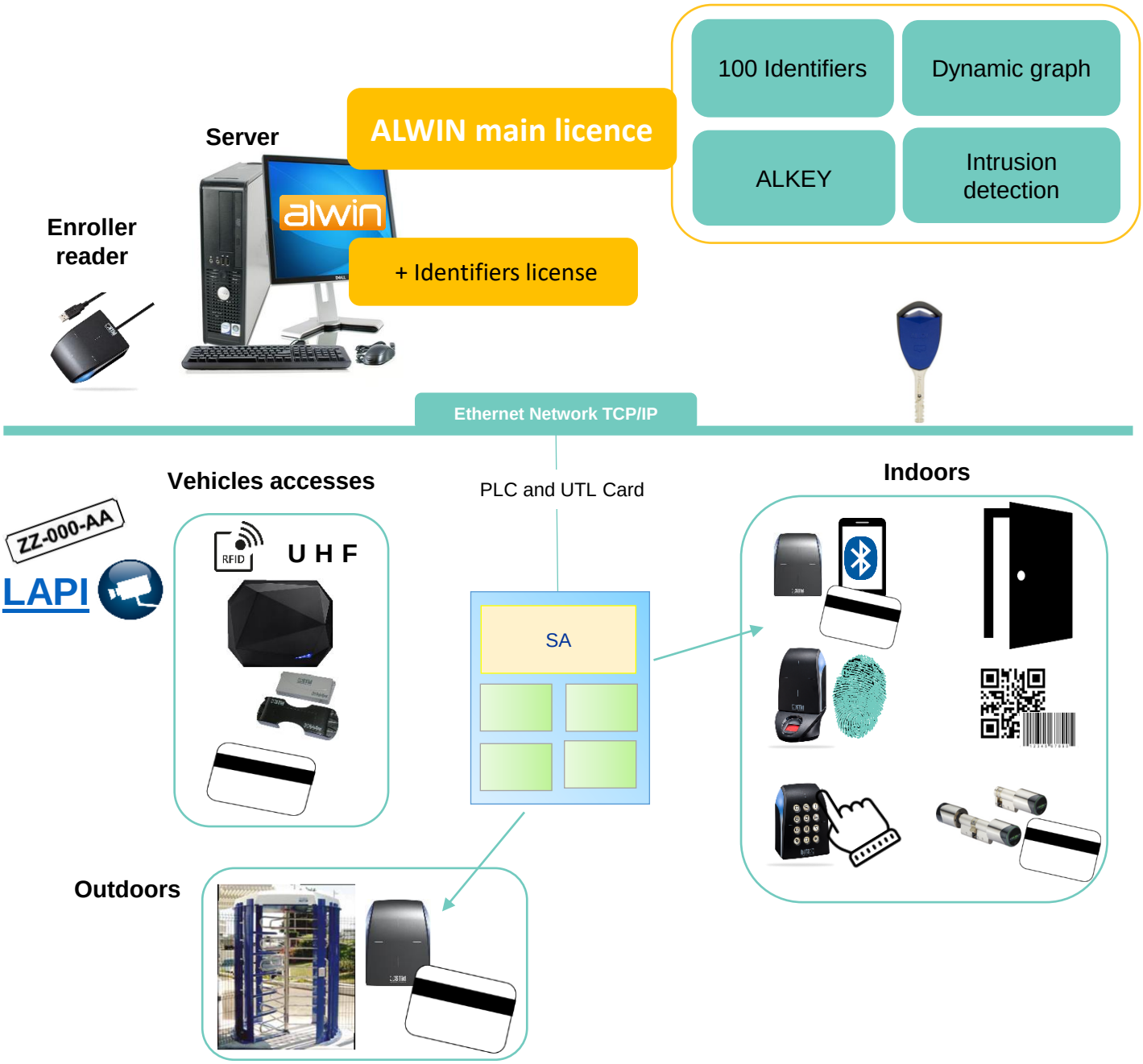
- **Open and scalable :** a module independent of the number of readers controlled.
- **Secure following ANSSI requirements:** field equipment and software functions are carefully designed to guarantee end-to-end encryption between the various access control equipment.
- **Complete and flexible:** the access control module allows you to create, encode and personalize your badges, Qr-Code/bar codes and even Bluetooth badge on smartphone.
- **Multi-technology:** the ALWIN solution can combine several technologies in the same environment, and each can adapt to different types of access.

MIFARE DESFire · aperio™ · OSS STANDARD OFFLINE · RFID · UHF · NFC · UZ · dény SECURITY · CLIQ™ · LAPI License plate automatic recognition (ZZ-000-AA)

ISO 9001 14001 45001 · FABRICATION FRANÇAISE

ARCHITECTURE

The access control system consists of the following elements :



Commercial advantage : the main license of the ALWIN software natively includes the ALKEY solution module, the Intrusion Detection module (regardless of the number of points), GSM or email alarm transmission, dynamic graphics, and 100 identifiers.

The identifier licence is defined according to the number of badge holders (residents and visitors) and their identification needs. The identifier is a unique number assigned to a person that corresponds to an access title (badge, Cliq key, code, Qrcode, etc.).

The access control module makes it possible to manage any type of access with read heads of any type of technology. The readers are connected to controller cards, L4F in Wiegand-Data / Clock or MTE in RS 485.

FUNCTIONS

Creation, modification and suppression of people, and definition of access profiles.

Attendant badge: a badge can be programmed with the attendant function to validate, within 3 to 5 seconds, the badge of another person (visitor, unauthorized employee, etc.)

Airlock management function. SAS

Enroller reader is used to read the data written on badges and automatically integrate them into ALWIN. It connects to the computer station via an RS232 serial port, USB or a dedicated reader.

Time periods: an access period can be programmed door by door grouping read heads according to geographic, functional or authorization criteria (type SEVESO sites)

Time plans:
Time slots based on the days of the week
Temporary rights from date to date, defined in advance
Time zone management for remote sites attached to a central server

Calendars:
Special day calendars specific for each site (public holidays ...)

Elevator hierarchy: select the access rights by floor according to the location of the badge holder using a single reader on board in the cabin.

Logs and requests: the route for each access ticket is collected and stored in the event log. This journal is easily searchable at any time thanks to multi-criteria sorting with extraction types to XLS, PDF, CSV, XML files.

The log can also provide real-time analysis statistics and queries:

Authorized access (alone or accompanied or remote opening etc.)
Access denied (with specific reason: rights, times, dates, blocking, wrong code, etc.)
Door alarms (forced, kept open, passage not carried out, etc.)
System log (opening by graphic supervision, timetable, etc.)
Typical queries "Who is present on site?", "Who has not been here for a long time?" or "Which badge will arrive at the end of its validity?"
Rollback function after modifications thanks to the badge log, a real black box which logs any change on the person file and indicates the “before / after” values

Automation:

Anti-passback to prevent the same badge from being reused entering the same area.
Anti-timeback which defines a group of readers that cannot be reused within a certain period of time (to prevent the opening of a series of turnstiles with a single badge, for example.

FUNCTIONAL LICENCES

ACCESS CONTRÔLE MODULE

Badges
- Badge encoding : mifare desfire, biometrics
- Virtual badges : Bluretooth
- Badge personalisation

Readers
- Wireless OnLine read heads control (APERIO UZ DENY)
- OffLine wireless read heads control OSS protocol (Aperio KABA UZ DENY)

Parking Management
- Number plate management
- Parking meter

Visitors Management
- Visitor management
- Pre-registration of visitors
- Visitor reception desk

Additional options:
Crisis management to instantly adapt the building's security level
EMAIL notification of the change of certain personal data by a user

REFERENCES

Software	Reader boards
ALWIN access control with badge licences (100 Id included) **07-07-0210** : Software ALWIN license 250 identifiers **07-07-0230** : Software ALWIN license 500 identifiers **07-07-0240** : Software ALWIN license 1.000 identifiers **07-07- 0250 :** Software ALWIN license 2.000 identifiers **07-07-0255** : license extension 2.000 identifiers (from 2.000 to 10.000) **07-07-0265** : license extension 10.000 identifiers (from 10000 to 100000) **07-07-0268** : license extension 100.000 identifiers (from 100 000 to 1M)	**01-01-0011** : Carte automate SA2 **02-01-0011 :** Carte contrôleur L4F **02-01-0015 :** Carte contrôleur MTE **01-01-0025** : Carte concentrateur SA CSPN **02-01-0017** : Carte contrôleur MTE CSPN **02-01-0050** : Enroller reader with pyramidal support (support + ITL) without reader head W-DC **02-01-0100 :** Enroller reader with pyramidal support (support + MTE) without reader head RS485