



V4.6

SPECIFICATIONS

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LIGHT

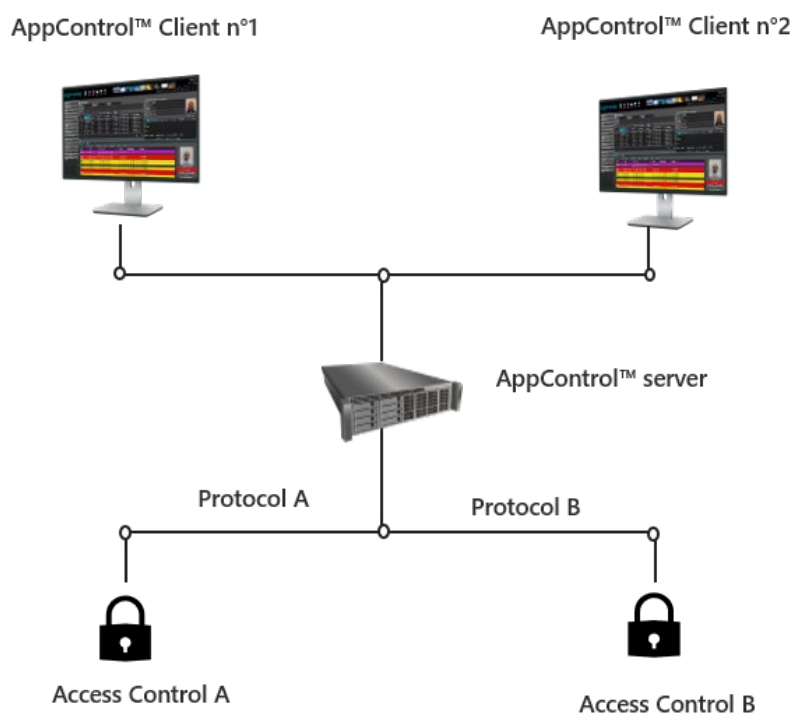
THE CONCEPT

The concept of the AppControl™ module is to provide a multi-brand, multi-user, multi-site access control management solution.

It is an entirely software-based solution.

AppControl™ enables heterogeneous access control equipment from different manufacturers to be federated and controlled from a single interface.

This module can operate in standalone mode or be integrated into the AppVision™ software.



IT ENVIRONMENT

The minimum requirements for the server and the client station are as follows:

- Windows 10 Professional or Windows Server 2016/2019 (64-bit)
- Intel i7 Quad Core Processor
- 16 GB RAM memory
- Hard disk 500 GB
- Full HD graphics card
- USB port
- Ethernet port

It is to be adapted according to the size and complexity of the supervised installation.

AppControl™ also supports virtualized systems (VMware, HyperV, ...) and works in 32 and 64 bits.

AppControl™ is developed with Microsoft Visual Studio development tools and the .NET framework in C# language. The platform is delivered with a SQL Server Express database.

In a multi-station environment, the AppControl™ client has an automatic update mechanism from the server.

ARCHITECTURES

Different architectures are available for the AppVision™ platform:

MONOSERVER

Single-client or multi-user (multi-station): architecture used on simple and standard installations.

REDUNDANCE

It ensures the continuity of supervision operations.

Other architectures such as server federation or load balancing are also possible depending on the project.

FEATURES

The main features of AppControl™ are:

- Centralised access management,
- Creation of profiles and timetables
- Visitor management,
- Organisation of people by category (permanent, temporary, ...), and by service,
- Organisation of access by access profiles,
- Restricted access by timetable,
- Trombinoscope with photo form,
- Creation, personalisation and printing of badges,
- Badge enrolment,
- Multi-criteria search based on people,
- Multi-criteria search on movement history,
- Management of zones with the notion of entry-exit,
- Attendance list,
- People counting, time-counting,
- Anti-passback,
- Multi-station,
- Web server (accessible by thin client),
- Import / export tools to external applications,

ACCESS MANAGEMENT

- Organisation of people by category (permanent, temporary, ...), and by service,
- Table for people with 8 customisable fields,
- Access management by access profile with the possibility of individual derogation,
- Restricted access by timetable with consideration of public holidays,
- Period of validity per person,
- Possibility of displaying accesses graphically in table form: people in column, access points in line, with the possibility of filtering on people and access points, so as to see a global view of access rights
- Display of authorised access:
 - o By person,
 - o By access profiles,
 - o By access points,
- Taking into account a black list (lost badges)
- Persons under surveillance
- Master badges,
- Several badges per person,
- Badge enrolment with a reader of the installation,
- Multi-criteria search based on people,
- Multi-criteria search on movement history,
- Movement statistics,
- Real-time photo tracking (trombinoscope),,

VISITOR MANAGEMENT

- Visitor registration :
 - o Assignment of a visitor to the person being visited,
 - o Assigning a visitor to a badge,
- Return of visitors,
- 10 customisable fields,
- Display of visitors by registration date,
- History dedicated to visitor management,
- Sorting of visitors with multi-criteria search

ZONES MANAGEMENT

- Attendance list,
- Presence counter,
- Hourly attendance counter,
- Anti-passback management,
- Manual addition / deletion of presence,
- Possibility of automatic purging of attendances by date,

BADGES CUSTOMIZATION

- Photo capture to feed a face book,
- Personalisation of badges with several print templates,
- Creation of the models with a graphic tool,
- Badge printing,

CAPACITY

- Number of people: unlimited in the application but limited by the capacity of the access controllers,
- Number of access profiles: unlimited,
- Number of services and category: unlimited,
- Number of access points or access controllers: limited by the licence,
- Number of time programmes: unlimited in the application but limited by the capacity of the access controllers,
- Number of events in the history: unlimited,

OTHER FEATURES

- Technical management of the access point:
 - o Door status: open/closed/alarmed/...,
 - o Controller mode: pass/controlled/locked,
 - o Door opening control,
 - o Controller mode control,
- Graphic representation of the system status in a personalised synoptic form,
- Taking into account badge events in the supervisor scripts,
- Unit or global, automatic or manual downloading of access controllers,
- Control of the dialogue with the equipment,
- Automatic transfer of access changes to the controllers,
- Real-time feedback of badge information or delayed time if disconnected,
- Independence of the application in relation to identification technologies: proximity badge, magnetic card, smart card, biometrics, plate recognition, ...
- Data import-export tools for manual or automatic synchronisation,
- Open database: SQL Server, Oracle, MS Access, ...
- Multi-station configuration,

UPGRADE

The full functionality of AppVision™ can be accessed by upgrading the AppControl™ server license to an AppVision™ server license.

With this upgrade, AppControl™ can integrate video and take into account the SIP audio protocol (e.g. for intercoms).

It also gives access to the AppVision™ graphical interface and therefore the possibility to manage many types of plans and maps.

The other accessible features are as follows:

- Mailing option (email, SMS),
- Curves & statistics option,
- Multi-station option,
- Multilingual option,
- GIS option (mapping),

- Workflow option,
- Handrail option,
- Synoptic Overlay option,
- Video Overlay option (see extension AppVideo™)
- Video Audit option,
- Maintenance management option,

COMMUNICATION WITH ACCESS CONTROL SYSTEMS

There are 2 ways to interface AppControl™ with access control systems:

- Via the standard ONVIF-C protocol
- Via a proprietary driver developed with the AppControl™ SDK.

These drivers communicate

- either directly with the controllers
- either with the software server of the access control system

This choice is up to the manufacturer of the system.

Access to the AppControl™ SDK is free of charge for all our partners.

COMMUNICATIONS & SECURITY

The AppControl™ server and clients use the HTTP protocol to communicate with TCP port 80 by default. This port is configurable. This dialog is based on documented REST Web Services.

Communication between the server and clients can be secured by configuring the HTTPS protocol (TCP port 443, configurable).