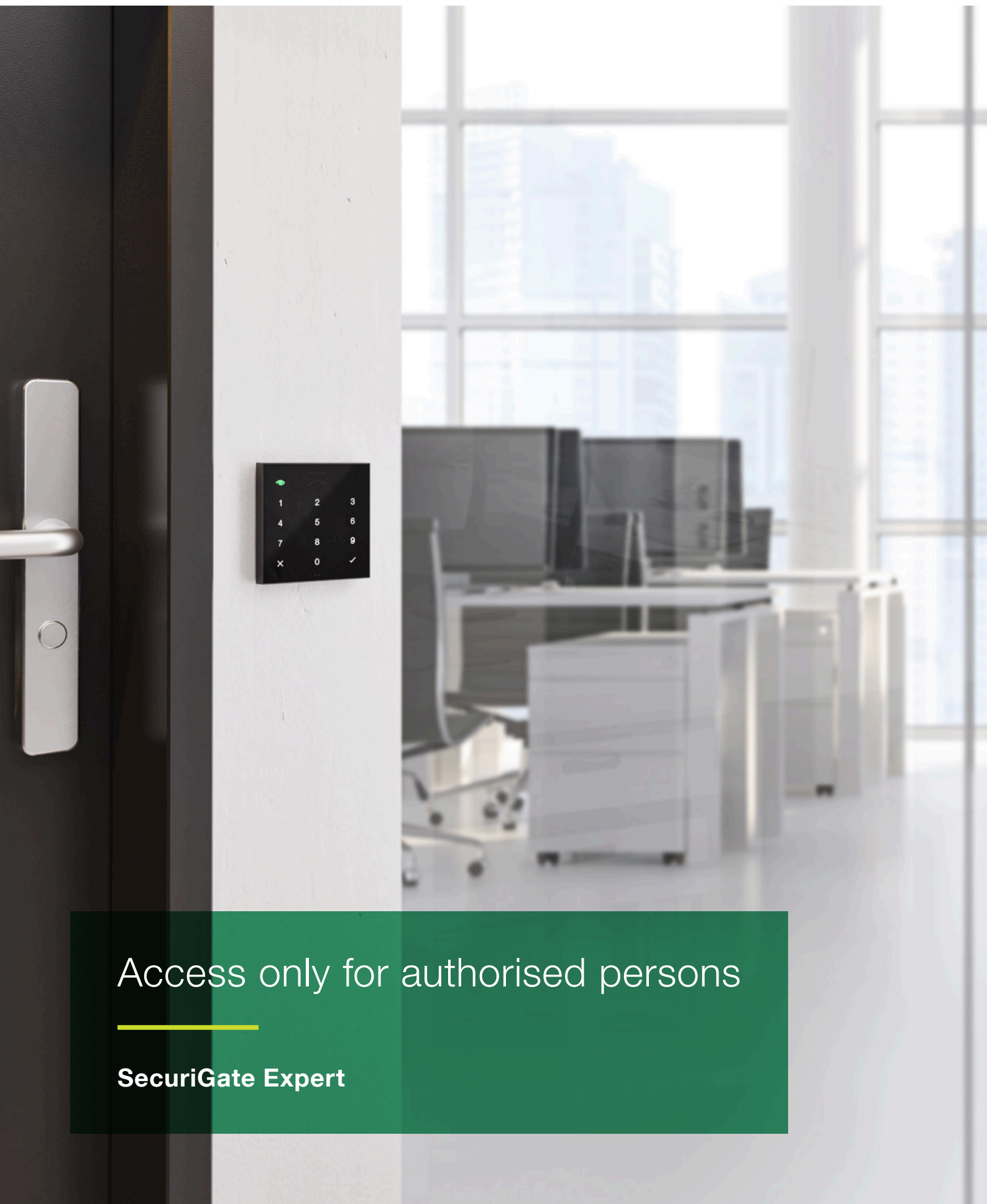




Access only for authorised persons

---

**SecuriGate Expert**

# Effective access control system for a wide range of requirements



## Data centres

Server rooms and data centres are an indispensable core of many companies today. SecuriGate Expert reliably controls access to these critical infrastructures around the clock using multi-factor authentication, multi-person logic or highly secure biometrics, protecting both sensitive data and expensive ICT equipment.



## Banks

In the financial sector, access to parts of buildings and rooms must not only be granted selectively, but also logged seamlessly. SecuriGate Expert enables rights management across an entire branch network with a central installation. Changes and events are recorded without exception and can be made available for audits at any time thanks to customised reports.



## Pharmaceuticals and chemicals

In large, decentralised building complexes, different access rights must be assigned to countless employees, visitors and partner companies. SecuriGate Expert offers dedicated applications for reception staff and the option of initiating workflows via the SecuriGate FlowManager and to map entire processes. This provides an overview, makes the work of those responsible easier and delegates certain tasks directly to employees.



## Prisons

In the high-security area of prisons, nothing can be left to chance. SecuriGate Expert enables security personnel to move safely in and between buildings at all times and anywhere using turnstiles, multi-person logic and zone controls. Thanks to the seamless interaction with other security and control systems, all relevant information and alarms are consolidated in the security control centre.



## Education

At universities, the organisation of access is extremely dynamic: large numbers of people, regular changes of students and timetables, sprawling buildings and various decentralised campuses. With SecuriGate Expert, people, multi-application badges and schedules can be managed just as easily as building zones and access points with varying equipment. SecuriGate MobileAccess even makes it possible to have doors opened using authorised smartphones.



## Shopping centres

In shopping centres, tenants' requirements need to be reconciled with the customer's shopping experience. SecuriGate Expert is a multi-client system with a high level of user-friendliness and offers the prerequisites for centrally managing the allocation of rights to shared areas by the caretaker, while shop-specific rights can be handled individually by the shop owners. Existing systems, such as a parking system, can be easily integrated via standard interfaces.





# SecuriGate Expert: Access only for authorised persons

Professional and secure access control has become indispensable for companies and institutions. It seamlessly controls and logs which people enter and leave buildings and premises when, where and under what conditions.

## High-performance software for security and efficiency

SecuriGate Expert meets the most stringent requirements in terms of security and efficient building use. Access is granted to those who have been granted the corresponding rights within the system. On the one hand, this enables the operator to protect trade secrets and material assets. On the other hand, it can control the flow of people and room occupancy in a targeted manner throughout the building – or across several buildings.

## User-specific functions for high ease of use

SecuriGate Expert adapts effortlessly to the needs of the different user groups. Employees in IT, security, reception and facility management work on function-specific interfaces. As a result, there is hardly any need for instructions and the workload on administrators is relieved. At the same time, the quality of the work increases, and visitors can benefit from an efficient and professional reception.

## Seamless documentation for simple traceability

SecuriGate Expert logs every access as seamlessly as changes in the system. Intelligent filtering or customised reports guarantee traceability and thus auditability at all times.

## Modern architecture and technology for optimal networking and targeted control

Thanks to cross-site networking, large and complex systems can be installed centrally and operated locally. Autonomy via access decisions always remains at the respective location, so that the doors do not remain closed even in the event of network interruptions or server failures.

## Maximum modularity for maximum flexibility

SecuriGate Expert can be flexibly adapted to a wide range of needs and changing requirements. Thanks to an extensive selection of individual licensable features, access technologies, identification media and networking options with third-party systems, SecuriGate Expert is individually configurable, efficient and cost-effective – for SMEs and large companies alike.

As a multi-tenant system, SecuriGate Expert also enables the targeted assignment of authorisations to different users. For example, in a commercial building, central areas are managed by the owner while maintaining data protection at all times, while the individual business premises are managed by the respective tenants.

### Your advantages

- Optimal and efficient access control
- Seamless documentation and auditability
- Increased efficiency of operating processes thanks to integrated workflows
- High level of ease of use
- Individual scalability
- Multi-client system
- Continuous development (e.g. against cyber threats)
- Integrated security solutions from a single source

# APR 70x: modern design and groundbreaking functions

Our access control readers combine intuitive operation with visual-acoustic user guidance, state-of-the-art technology and maximum security.

### User-friendly design with intuitive operation

The APR 70x access control reader combines high-quality materials with sophisticated functionality. The elegant glass front with touch operation enables simple and secure access control. LED and acoustic signals clearly indicate operating status, door release or rejections. A proximity sensor activates the device when approached and, if required, an automatic keyboard appears for additional safety requirements such as dual-person verification.

### Future-proof technology and flexible integration

With the LEGIC SM-6300 chipset and integrated BLE module, the APR 70x is technologically state of the art. It supports multi-application badges and MobileAccess via SecuriGate. Central firmware updates simplify operation and maintenance. Thanks to different versions – in white or black, surface-mounted or flush-mounted, as well as a weather-protected IP 55 version – the reader can be seamlessly integrated into any building.



### Complementary door components for the APR readers

The following door components ideally complement the permanently installed APR readers:

- **Offline components** provide a cost-effective solution for rarely used doors or remote areas.
- **Wireless online components** enable central control and immediate response to access events – even without cabling.
- **Biometric readers** offer maximum security and convenience thanks to clear identification without a physical medium.

All components, i.e. APR readers, door fittings, cylinders and biometrics, are managed centrally via SecuriGate Expert.



Aperio cylinder C100



Aperio fitting E100



Glass door fitting CX6172



TBS-057 3D AIR

### Your advantages

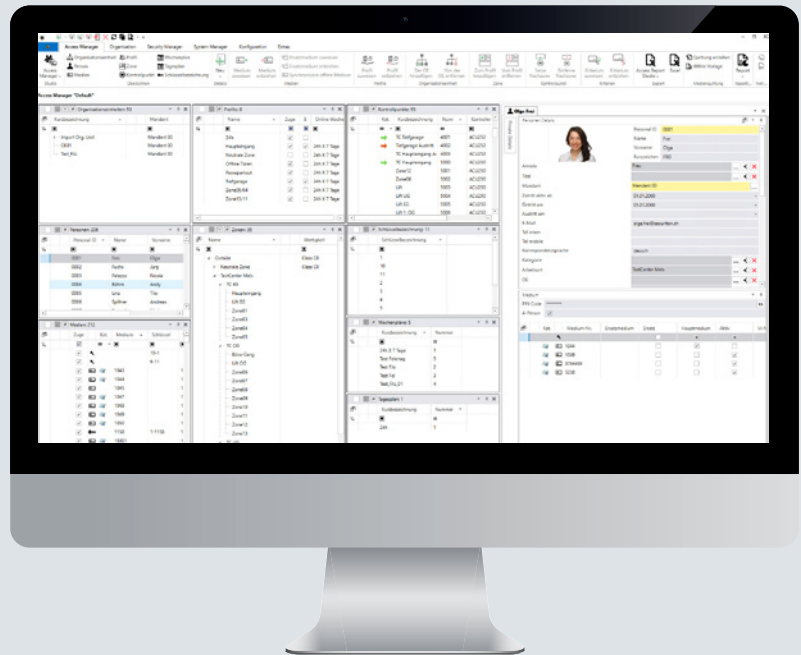
- Ready for mobile access
- Intuitive user guidance with LED control
- Optimised for service and updates in the field
- Timelessly modern design



# Web applications for professionalism and efficiency

Employees at reception or in the security lodge work with customised, function-specific interfaces of web applications. This ensures professional interaction with visitors, efficient issuance or return of access media, secure remote control of doors and, ultimately, relieves the workload for the employees themselves.

# Intelligent software for top performance



The high-performance software for Identity & Access Management (IAM) ensures that the access control system is always ready for use, adapts flexibly to the defined requirements and functions flawlessly even during intensive use. The familiar Office-style interfaces and functions ensure simple and efficient operation. This enables employees to handle even complex processes such as individual and mass updates easily and with maximum efficiency.



# SecuriGate FlowManager for efficient processes

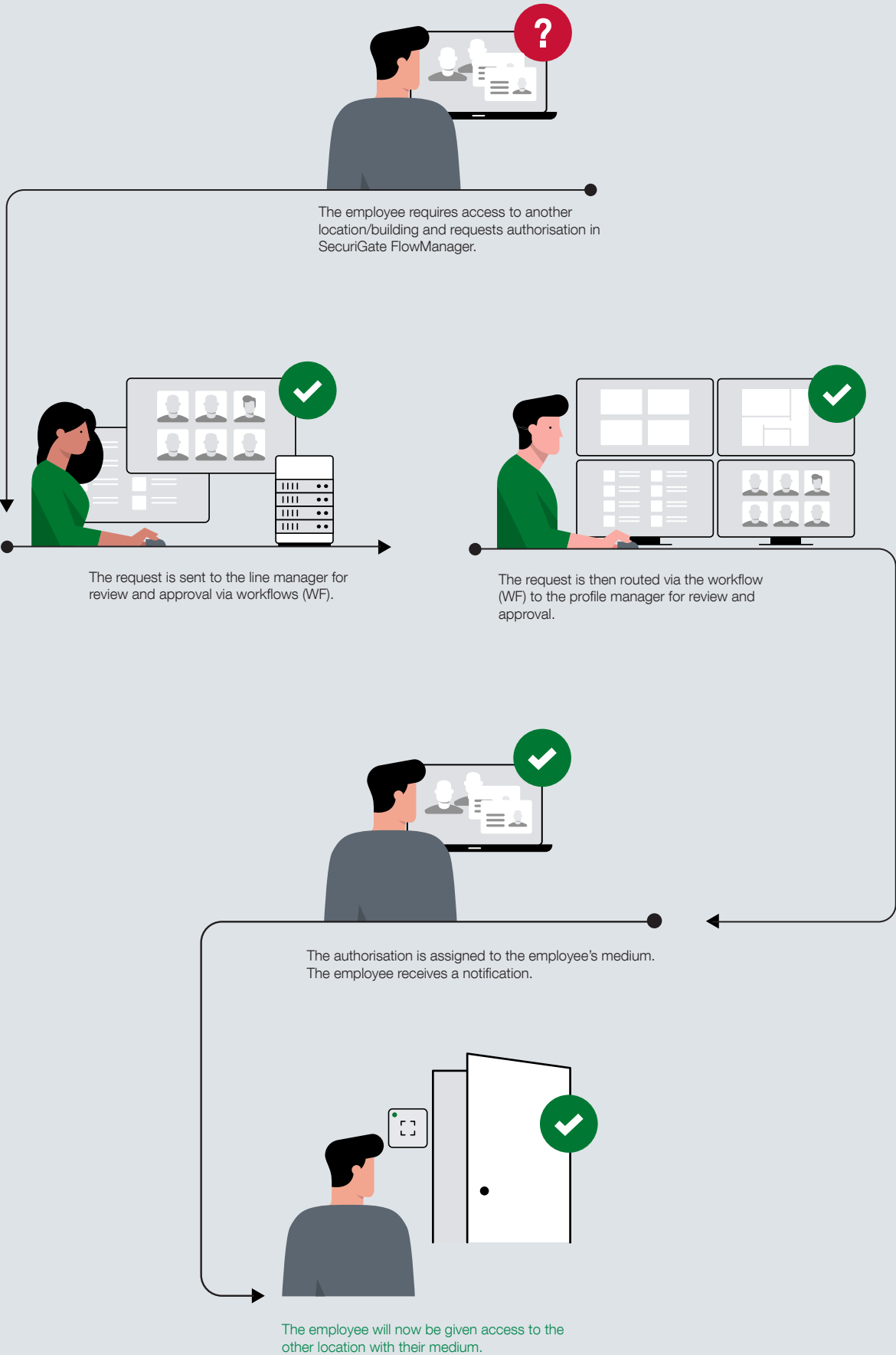
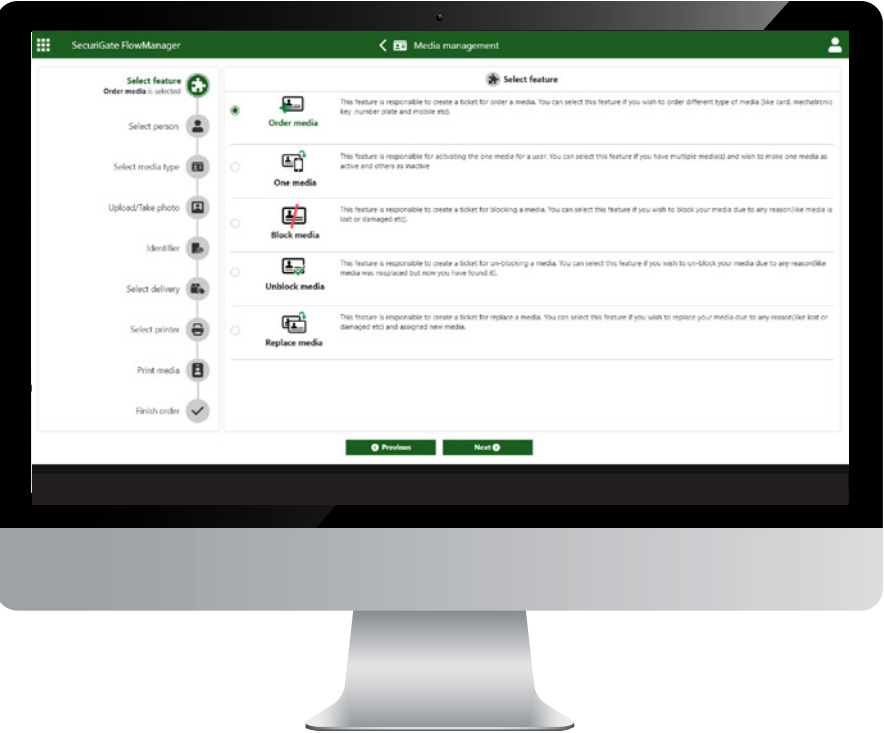
The web-based FlowManager from SecuriGate Expert is designed to optimise processes – and with them resources and costs. Thanks to its modularity, only the required functions have to be purchased, the system can be expanded as required at any time.

With the web-based FlowManager, SecuriGate Expert provides a workflow system for the automation and optimisation of processes. Various standard workflow plug-ins enable customer-specific configuration and design of access management procedures. For example, employees can directly request access rights, a new badge or the blocking of a lost medium. Thanks to responsive design, applicants can access SecuriGate FlowManager from any mobile or stationary device, which guides them step by step through the intuitive and user-friendly process. Depending on the configuration, requests are then reviewed by one or more parties and processed via the same web application – if necessary, also in accordance with the dual control principle. SecuriGate Expert documents all processes seamlessly for traceability and for any potential audits.

Thanks to the modular licensing concept, only those functions that are actually used need to be purchased. Additional functions or plug-ins can be added at any time.

### Your advantages

- Accelerated and standardized business processes
- Relieving the workload of those responsible for operations
- Each activity can be traced
- Secure, automated approval procedure
- Double verification principle
- Automated auditing
- Access rights always kept up-to-date



# Wide range of identification options at the access point for security and convenience

SecuriGate Expert offers maximum flexibility when selecting, managing and assigning different access media such as badges, keys, smartphones and vehicle registration numbers.

### Traditional identification media

SecuriGate Expert normally uses a single RFID identification medium for all applications: a Legic Advant or Mifare DESFire access medium. These multi-application badges allow users to open the underground car park just as conveniently as to enter authorised zones and pay in the canteen.

Multiple identification may be required for access to particularly sensitive zones. On request, even complete card printing and programming solutions can be integrated in SecuriGate Expert, enabling in-house management of the entire badge system.

### Mechanical locking systems

SecuriGate Expert enables the management of mechanical and mechatronic keys. Data from locking systems can be imported and further used in SecuriGate Expert. This makes it possible to manage all media in a single system, significantly reducing complexity and effort for the operator.

### Mobile access with your smartphone

The SecuriGate MobileAccess app supplements or replaces the classic RFID badge or key fob with a mobile device (e.g. smartphone). The user receives digital keys on the BLE-enabled device previously registered in the app, regardless of their location and in accordance with the strictest security requirements. This means identification is carried out at the respective access points and eliminates the need for time-consuming issuing and return of traditional access media.

### Vehicle registration number

SecuriGate Expert offers the option of entering and managing alphanumeric vehicle registration numbers as access media. At the access point, the registration plates are captured by a camera and compared with the stored access rights. This extends the security concept seamlessly from buildings to the entire company premises.

### Biometric identifiers

Biometric solutions are used specifically at access points with increased security requirements and increasingly also for greater convenience in everyday life. Solutions from TBS and IDEMIA stand for maximum security and multifunctionality at the access point and are seamlessly integrated into SecuriGate Expert. Whether fingerprint, face or eye (iris): one and the same integration solution enables the flexible selection of different biometric terminals.



### Flexible management of different access media



RFID media  
(badge, key fob)



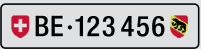
Mechatronic  
keys



Mechanical keys



Smartphone  
(SecuriGate  
MobileAccess)



Vehicle registration  
number



Biometric  
features



## Integration of door components for flexible extension

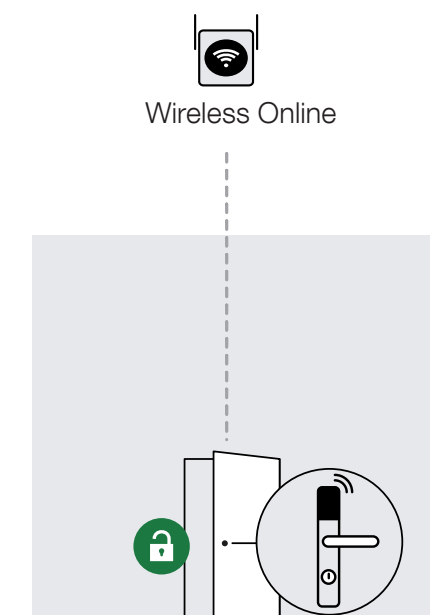
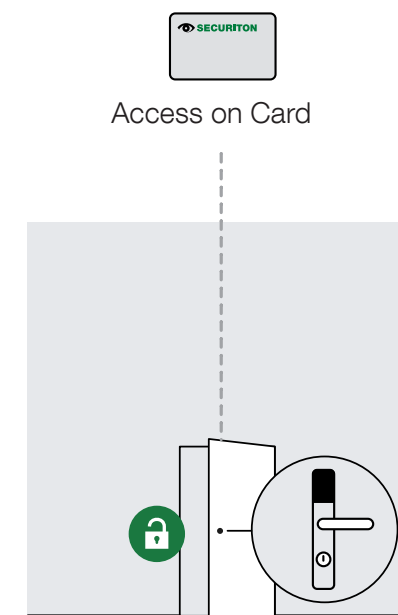
SecuriGate Expert enables the seamless integration of unwired doors in the access control system in a variety of ways.

### Access on card (offline)

The door components are integrated using access media. Thanks to OSS-SO (Standard Offline), components from different manufacturers can read and interpret the authorisations of the access medium based on the Legic Advant and Mifare DES-Fire reader technologies. This standardisation provides greater flexibility in the planning, implementation and operation of combined online and offline systems.

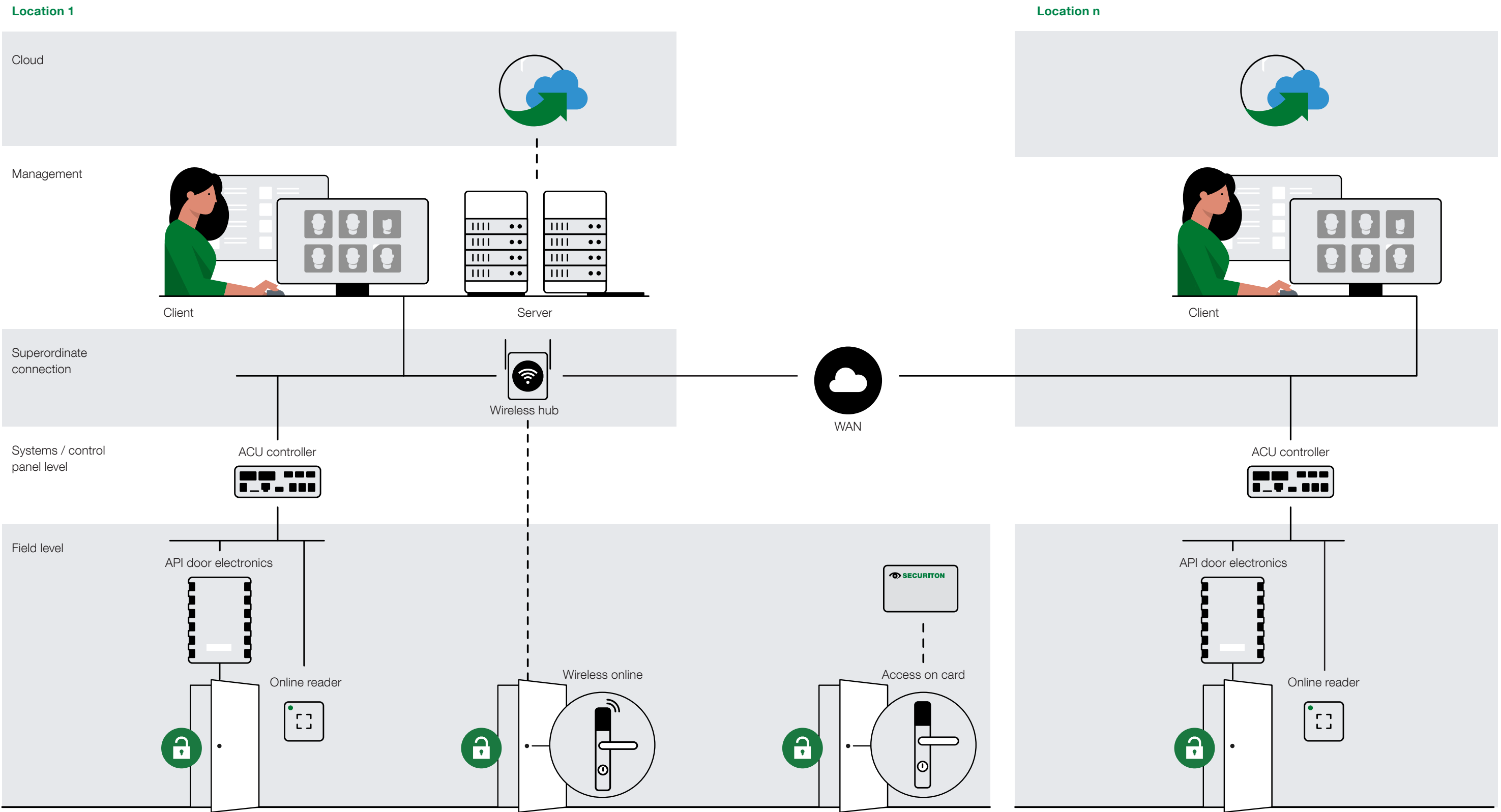
### Wireless online

Integration of the door components is via radio, and the radio gateway communicates over a network connection with the SecuriGate Expert access controller. The solution offers all the advantages of an online system, including the ability to adjust access rights immediately or ensure real-time availability of access events (so-called events).





# The system at a glance





# An agile system for growing requirements

Companies change and so do their system requirements. An access control system must therefore be as flexible as possible and be able to adapt at any time to changing circumstances such as the number of users, locations or functional options.

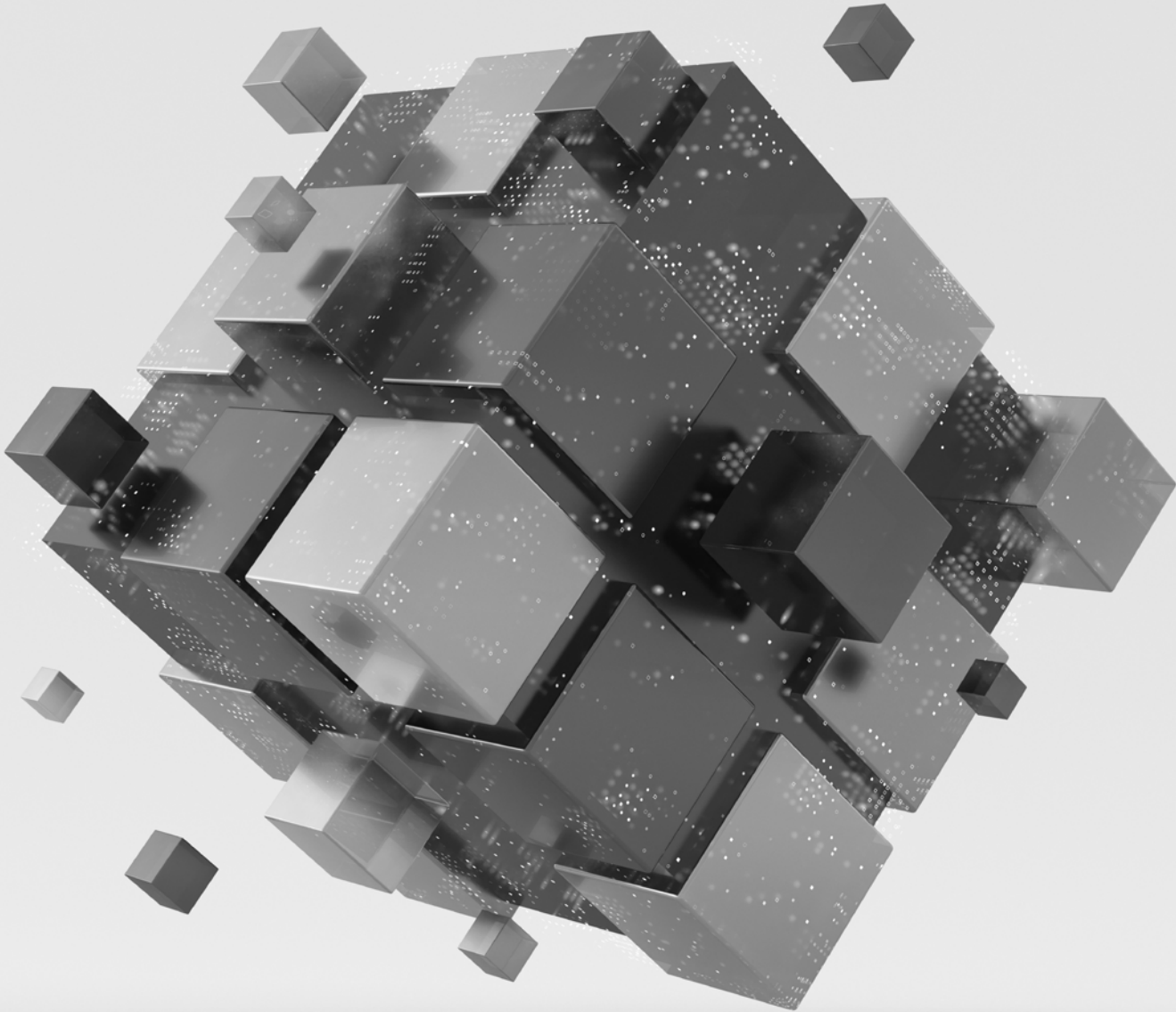
Thanks to its modular licensing and virtually unlimited scalability, SecuriGate Expert enables exactly that: a system that perfectly meets the needs of the system operator and its users at all times.

System sizes, expansion limits and licensable options

| Standard features and configuration limits | BASIC          | ADVANCED                    | ULTIMATE                      |
|--------------------------------------------|----------------|-----------------------------|-------------------------------|
| Number of concurrent users (max.)          | 1              | 5                           | unlimited                     |
| Number of clients (max.)                   | —              | 5                           | unlimited                     |
| Number of online readers (max.)            | 20             | 50                          | unlimited                     |
| Number of readers Wireless Online (max.)   | 20             | 50                          | unlimited                     |
| Number of readers Access on Card (max.)    | —              | 100                         | Vi-NET: 3,500 / OSS: 32,000   |
| Number of active badges (max.)             | 100            | 500                         | unlimited                     |
| Number of personnel master records (max.)  | 1,000          | 1,000 (expandable to 5,000) | 1,000 (expandable, unlimited) |
| Database                                   | MS-SQL Express | MS-SQL Express              | MS-SQL Standard               |

Guidelines

Our SecuriGate Expert access control system complies with the guidelines of the Swiss Association of Security System Installers (SES) as well as SN EN 60839-11-1 and SN EN 60839-11-2. As a member of the association, we commit to observing the various quality criteria and security standards.





## Interfaces for the technological future

SecuriGate Expert imports and exports data easily, securely and automatically. The data is transmitted in encrypted form and is immediately available for further processing. Peripheral and third-party systems are notified immediately of changes and synchronise automatically with SecuriGate Expert.

### Flexible interface adapters

Through its standardised RESTful API, SecuriGate Expert communicates with virtually all connected and third-party systems: Personnel data, individual authorisations, badge data and even entire organisational units and group authorisations are exchanged quickly and without errors. For example, cash, printing and parking systems immediately know which access rights a new employee has and which medium they are authorised to use. SAP and other ERP systems can be connected just as easily as Active Directories, significantly enhancing the efficiency and security of operational processes.

### Convergence with other security systems

Through convergent connectivity via an IoT interface and MQTT, SecuriGate Expert also communicates with the SecuriSafe Expert intrusion alarm system and the SecuriEye Expert video management system. This intelligent, certificate-based data exchange enables applications that go far beyond the capabilities of the individual systems.

### Connection to superordinate systems

SecuriGate Expert reaches its full potential when integrated with management and control systems. Communication via OPC UA or BACnet is standardised and effortless through a protocol converter.

### Interaction with the security management system SecuriLink UMS

The UMS interface provides the Securiton SecuriLink UMS security management system with information from the connected access components, while SecuriLink UMS can take over control functions in the access system. Filters allow selection of specific events for transmission if required.

SecuriLink UMS enables seamless control of systems such as SecuriSafe and SecuriEye as well as external solutions. Thanks to the integrated visualisation, you have a clear overview of all connected systems. In addition, uniform reports can be created to help you monitor and optimise your security infrastructure effectively.

### Your advantages

- Efficient data processing thanks to simple data import and export
- Always up to date thanks to automatic synchronisation
- Seamless interaction with peripheral and third-party systems
- Future-proof – the system is compatible and expandable in the long term
- Standardised interfaces



# Facts & Figures

## Active badges:

> 50,000

active badges are managed centrally in large systems, allowing employees, visitors and partners access to buildings and premises

## Number of decentralised locations:

> 1,000

decentralized locations can be networked and operated via a single central server installation.

## Doors:

max. 16

doors are managed locally by an ACU-III controller. This ensures maximum fail-safe reliability.

## Available basic, functional and quantity licences:

165

allowing a customised and unique system to be configured.

# First-class support, remotely or on site

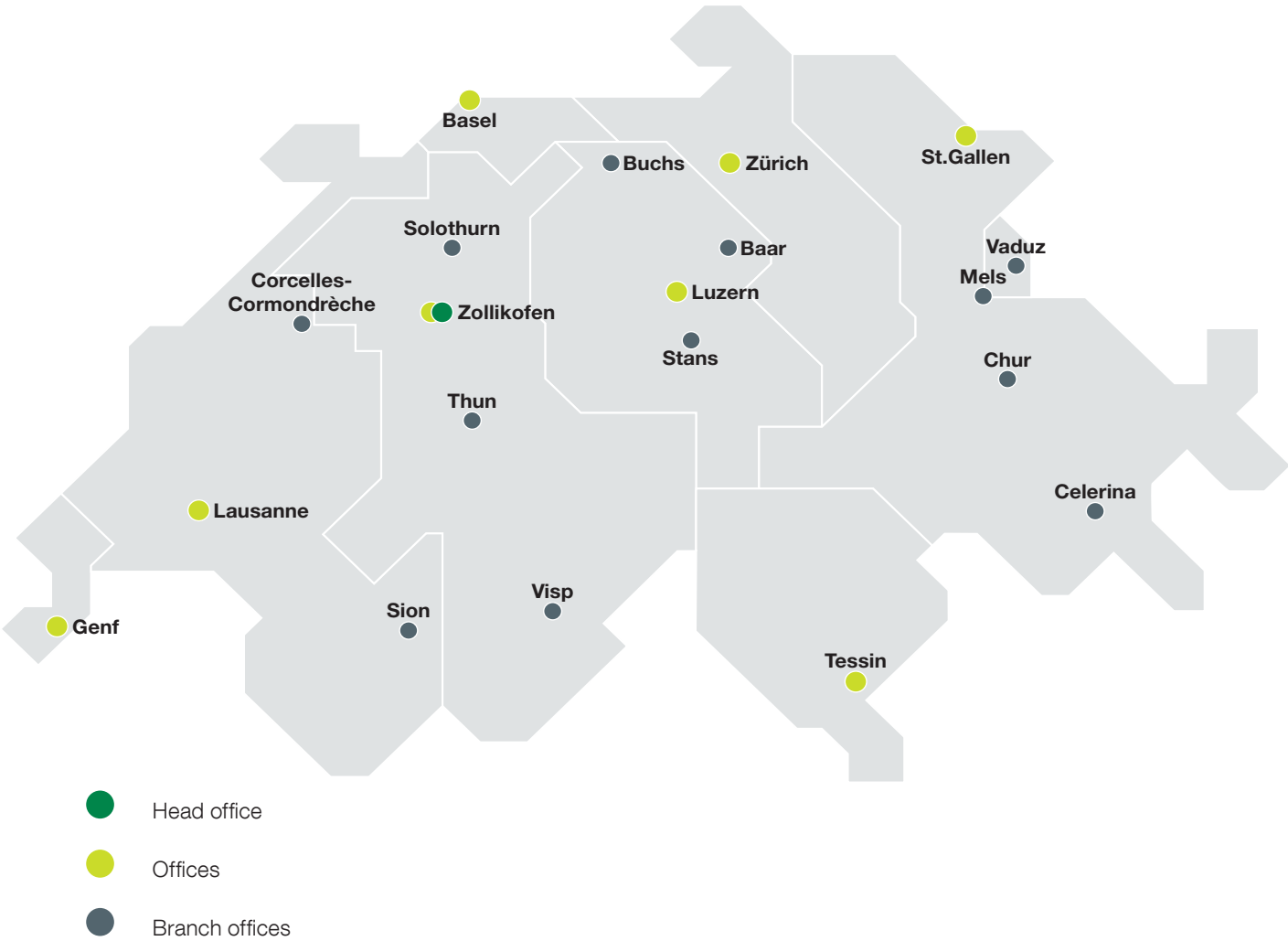
An access control system that does not work is a significant security risk. That's why we're there assist you instantly in any emergency. You can choose whether our specialists solve the problem on site or quickly via RemoteAccess.

## RemoteAccess: fast, efficient, secure

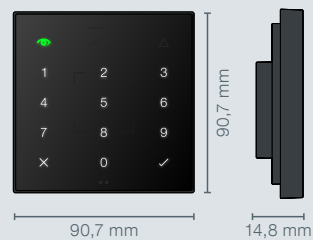
With your authorisation, our specialists receive access to your system and can quickly and accurately analyse and resolve potential causes. Of course, your safety comes first: access to your access control system is allowed only for support specialists, who log in using a highly secure authentication and authorisation procedure.

## On-site support: Our specialists are near you

Proximity to our customers has always been a top priority for us. That's why we have set up offices and branch offices throughout Switzerland. The big plus for you: our support specialists are always with you immediately if the situation requires it.

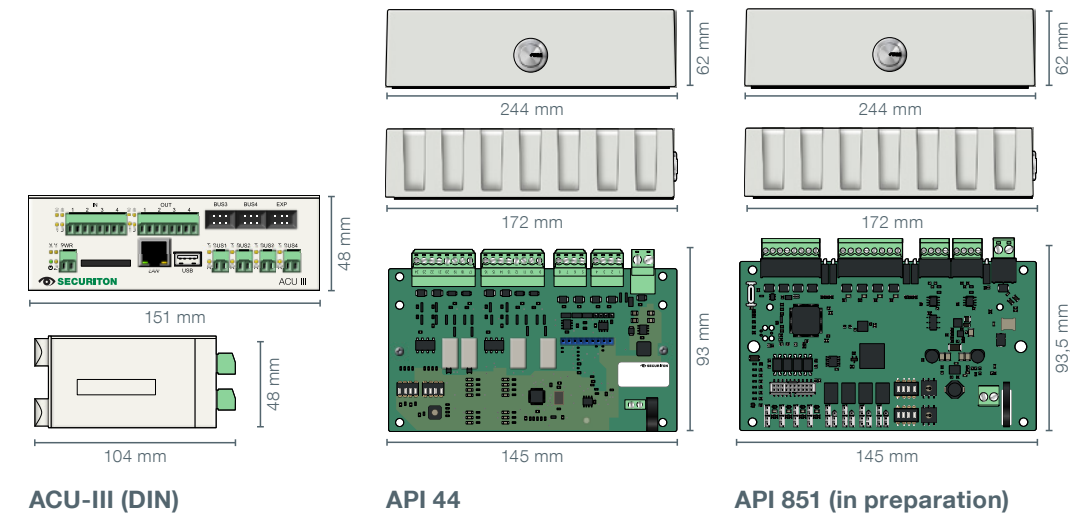


System components  
at a glance



APR 70x

| Technical data                            |                                                                   |
|-------------------------------------------|-------------------------------------------------------------------|
| Reading methods                           | LEGIC Advant<br>Mifare DESFire EV1/EV2/EV3<br>ISO14443A, ISO15693 |
| Transmission technology                   | RFID<br>BLE 5.0                                                   |
| Data line/interface to field bus          | RS-485 proprietary<br>max. 1000m<br>AES-GCM encryption            |
| Dimensions (W×H×D)                        | Surface mounting:<br>90,7×90,7×23,3 mm<br>LP: 90,7×90,7×14,8 mm   |
| Weight                                    | 135 g                                                             |
| Power supply                              | 10 to 30 VDC<br>Idle 1 W, max. 4.5 W                              |
| Operating temperature                     | –15 °C to +50 °C                                                  |
| Humidity, non-condensing                  | max. 95%                                                          |
| Protection class acc. to IEC60529/EN60529 | IP 55 (outdoor)                                                   |
| Mounting type                             | Wall mounting surface<br>Wall mounting, flush                     |
| Housing colours                           | Signal white<br>Anthracite grey                                   |
| Variants                                  | Without keyboard<br>With keyboard                                 |
| CE mark                                   | Yes                                                               |



| Technical data                            |                                                                                                |                                                                              |                                                                              |
|-------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| Data line/interface to the network        | Ethernet 10/100/1000 Mbit/s<br>TLS1.2/1.3 encryption                                           | n/a                                                                          | n/a                                                                          |
| Data line/interface to field bus          | RS-485 proprietary<br>max. 1,000 m<br>AES-GCM encryption                                       | RS-485 proprietary<br>max. 1,000 m                                           | RS-485 proprietary<br>max. 1,000 m<br>AES-GCM encryption                     |
| Internal memory                           | 100,000 badges<br>100,000 events                                                               | n/a                                                                          | n/a                                                                          |
| Dimensions (W×H×D)                        | DIN: 151×48×104 mm                                                                             | DIN: 145×34×93 mm<br>Housing: 244×62×172 mm                                  | DIN: 144,5×31,2×93,5 mm<br>Housing: 244×172×62 mm                            |
| Weight                                    | 570 g                                                                                          | DIN: 100 g<br>housing: 740 g                                                 | DIN: 100 g<br>housing: 740 g                                                 |
| Power supply                              | 10 to 30 VDC<br>max. 8 W                                                                       | 10 to 30 VDC<br>max. 1,5 W                                                   | 10 to 30 VDC<br>max. 1,5 W                                                   |
| Operating temperature                     | 0 °C to +50 °C                                                                                 | 0 °C to +50 °C                                                               | 0 °C to +50 °C                                                               |
| Humidity, non-condensing                  | max. 95%                                                                                       | max. 95%                                                                     | max. 95%                                                                     |
| Protection class acc. to IEC60529/EN60529 | IP 30                                                                                          | DIN: IP 00<br>housing: IP 40                                                 | DIN: IP 00<br>housing: IP 40                                                 |
| Mounting type                             | DIN: on DIN rail in installation<br>housing I, II or III.<br>BGT: in the 19" rack (on enquiry) | DIN: on DIN rail<br>housing: Wall mounting                                   | DIN: on DIN rail<br>housing: Wall mounting                                   |
| Installation housing (optional)           | Size I: 300×400×200 mm<br>Size II: 400×600×200 mm<br>Size II: 600×800×250 mm                   | Size I: 300×400×200 mm<br>Size II: 400×600×200 mm<br>Size II: 600×800×250 mm | Size I: 300×400×200 mm<br>Size II: 400×600×200 mm<br>Size II: 600×800×250 mm |
| Digital inputs (opto-isolator)            | 4×<br>min. 10 VDC, max. 30 VDC,<br><10 mA                                                      | 4×<br>min. 10 VDC, max. 30 VDC,<br><10 mA                                    | 4×<br>min. 10 VDC, max. 30 VDC,<br><10 mA                                    |
| Digital outputs (relay)                   | 4×<br>max. 36 V, 2 A, 60 VA"                                                                   | 4×<br>max. 52 V, 2 A, 60 VA"                                                 | 4×<br>max. 48 VDC, 2 A, 60 VA"                                               |
| CE mark                                   | Yes                                                                                            | Yes                                                                          | Yes                                                                          |





**Securiton AG**

Alarm and Security Systems  
Alpenstrasse 20, 3052 Zollikofen  
[www.securiton.ch](http://www.securiton.ch), [info@securiton.ch](mailto:info@securiton.ch)

A Swiss Securitas Group company

---