



**SMARTAIR®**  
Your Access. Your Control.

# How would access control benefit your business?

**ASSA ABLOY**  
Opening Solutions

SMARTair®. Innovative, customized, wireless access  
control that works straight out of the box

Experience a safer  
and more open world




# The future is already here. Why do we still open doors with centuries-old technology?

## **Access control makes a difference to any building or business.**

Compared with traditional mechanical keys, access control systems are less hassle to manage and offer greater security. You easily make sure only the right people unlock the right doors at the right times, without any keys to track or manage. Access to private offices, server rooms, equipment stores, lifts or car parks becomes simple to filter with electronic access control. Lost or misplaced keys are no longer a management headache — or a threat to your building's security. When an employee leaves, you simply cancel their key-card or mobile credential. No more time-consuming handovers or locks to change at your expense.





## A SMARTair wireless access system puts you in control



### **Real-time monitoring**

You will know who entered where, and when — in real time if you choose.



### **Intuitive management software**

You will manage your system using intuitive software, wherever you are and on any device — even your mobile phone.



### **Real-time access changes**

You will revoke access in an instant, receive an alert if a door is left open, lock doors remotely and grant access as soon as someone requests it.

For every building and every business, there is a SMARTair solution.



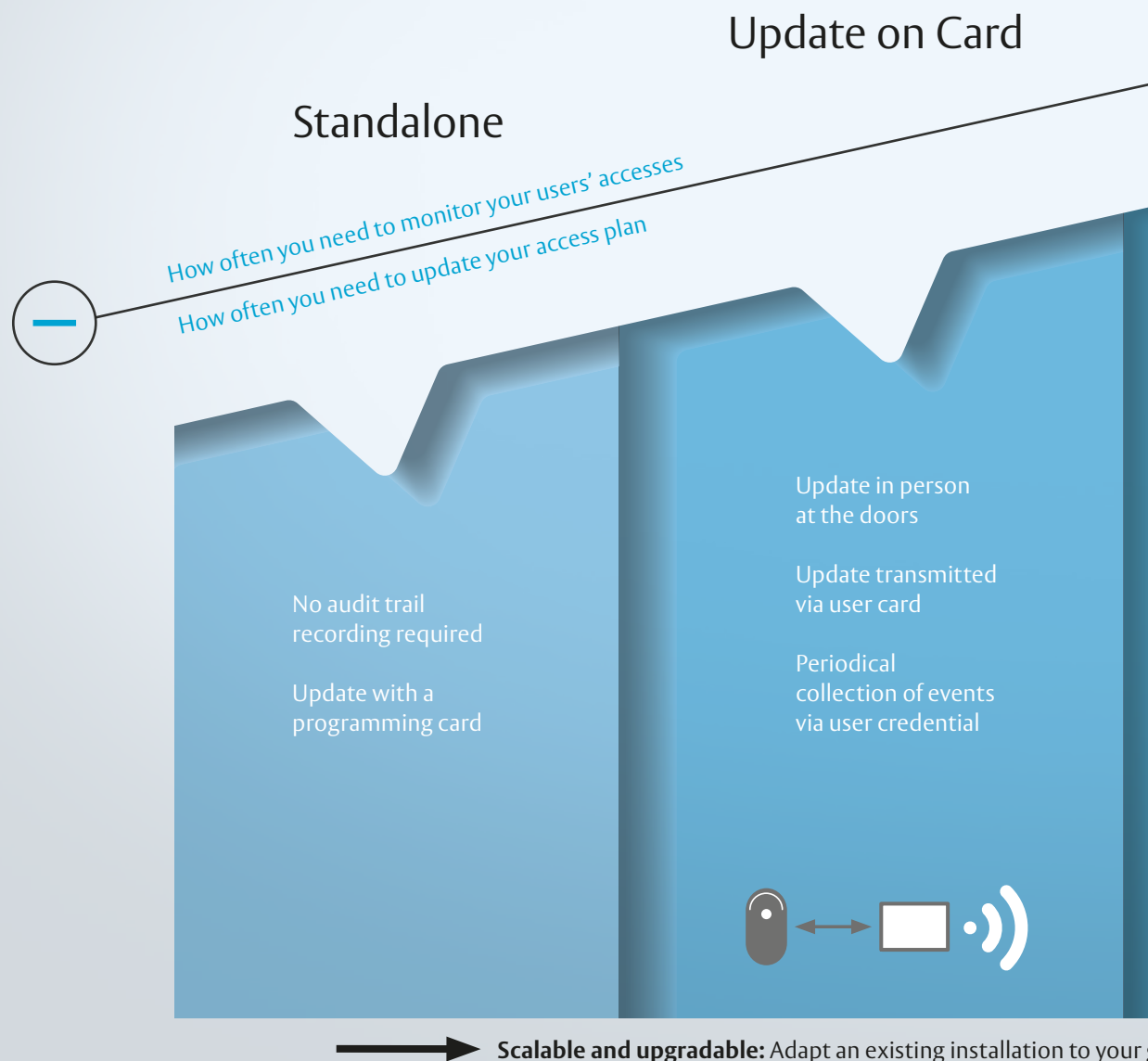
# Choose the SMARTair solution that fits you best

A SMARTair solution is built around three main elements:

- Wire-free locking devices secure doors and other openings.
- Phone-based or hard credentials are issued to users — no more keys.
- And intuitive software manages everything without hassle. You decide (and monitor) who goes where and when.

## Four management levels to match your control needs

Because every company is different, SMARTair offers four tailored access management solutions. So, if you just need simple, secure access control for your workers and rarely monitor interactions with doors and other access points... SMARTair has the right solution to make your building more secure.



Or, if you make frequent new hires, run multiple shifts, interact with external contractors, often change users' access permissions and create new profiles... SMARTair has the solution to make your life easier, too.



growing needs when required, while protecting your investment →

# How to make the right decision

*Four scalable administration systems to meet the needs of any access control plan*

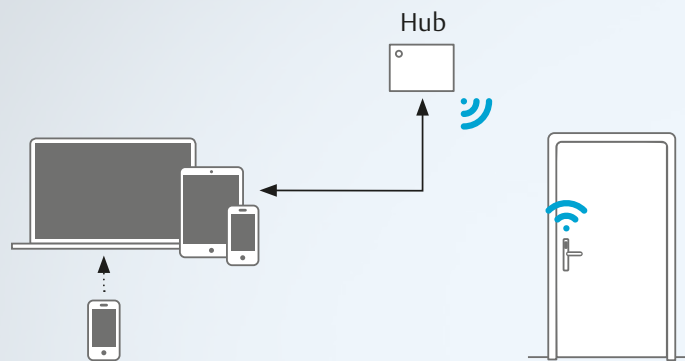
## Pro Wireless Online

*Real-time access control when you need it*

Very high event frequency and regular need to collect door history

SMARTair Pro Wireless Online administration gives you real-time control over all the access points to your premises. You will always know who enters, where and when. Easy to install and maintain, the system allows you to create and cancel credentials, and to change access rights or time zones anytime. It enables efficient, flexible use of your building without compromising security or control.

Alongside real-time information and remote control, you can quickly set up email alerts to keep you up to speed with everything happening at the facility. A user-friendly web client enables monitoring with no need for you to be physically present.



Communication between door devices and system software is automated and encrypted by Hubs. Each Hub manages up to 30 doors within a 30-metre range. In case of communication failure, functionality is maintained offline with the latest information stored.

## Update on Card

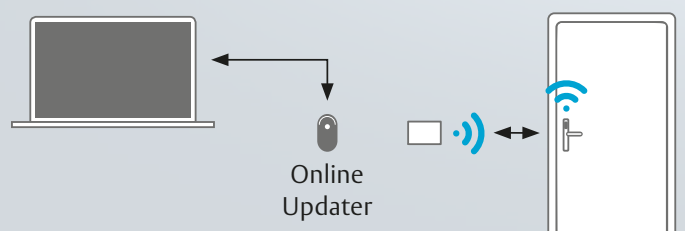
*Security and flexibility*

Medium event frequency and irregular need to collect door history

SMARTair Update on Card enables you to modify your site's permissions and register events periodically, without the need for wired access control.

Update on Card employs user RFID credentials — cards, bracelets, tags and more — for information exchange between system management software

and your door devices. Credentials propagate updates to the access plan around your network of locks; register new users or modify their access permissions; and collect events from the door. When a user revalidates their credential via updaters, the system software collects events automatically.



Combine offline access control with wall updaters to ensure users and locks are frequently synchronized.

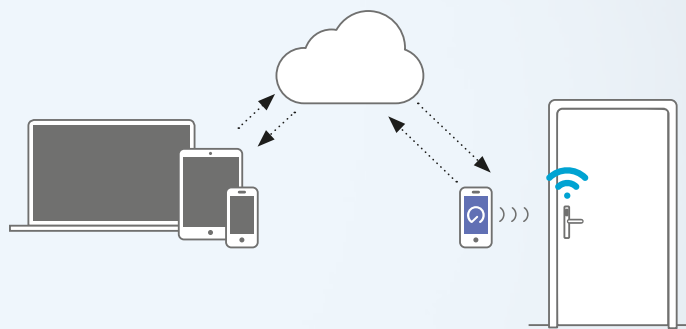
## Openow

*The app which opens doors*

High event frequency  
and regular need to  
collect door history

Openow system management makes SMARTair access control even more intelligent. Newly updated, the Openow app offers additional, powerful features to security managers, including automated event history collection and the ability to issue access plan changes over the air. For users,

the Openow app replaces traditional card or tag credentials — saving facilities management time usually spent on hard credential admin. Together with SMARTair TS1000 software, Openow ensures site security and workplace efficiency.



With the Openow access control management solution, a facility manager can send, revoke and update virtual keys over the air from anywhere, using the TS1000 software. They can collect door history and trigger email alerts remotely via users' Openow app.

## Standalone

*Straightforward, intuitive efficiency*

Low event frequency  
and occasional need to  
collect door history

Standalone is the easiest and most affordable management system to administer. No software or specialist equipment is required to give you control over sensitive doors protected by SMARTair wireless locks. All you need to set up your system are door devices with integrated RFID

readers and optional PINpad; a programming card; and users' credentials. Within a few minutes, you will have an intelligent access system — with the ability to add and delete permissions whenever you need — up and running. As simple as that.

Open  
programming  
mode

Program user

Close  
programming  
mode



SMARTair Standalone allows you to add and delete users easily via the red programming card. With the "Shadow card" functionality, there is no need to delete all cards if one goes missing.

# Access control hardware and software in perfect harmony

## Components that power your SMARTair solution.

Every part of SMARTair's advanced, intuitive access control solution is easy to install or issue — and even easier to operate.

01



**Software**  
Smart and Intuitive



**Oscar**  
**Security Manager**

*"It's designed to make my work easier, and help people move around more safely."*



02



### Diverse Credentials

Open doors your way



**Laura**  
User

*"I can access every locked opening I need with my own smartphone and a secure app."*

03



### Door Devices

Battery-powered,  
robust and secure



**Ruben**  
Security Equipment  
Installer

*"It's like fitting and configuring a little computer, but on a door and in record time."*

01 Software

02 Credentials

03 Devices

# Simple, intuitive software for effortless access control

*Innovative and user friendly, SMARTair TS1000 software makes it easy to administer your access control system from anywhere.*

What are  
the main  
advantages?

## **TS1000. Intuitive, fast, logical.**

With SMARTair, the facility manager defines system users, doors, time-zones and calendar schedules. Once these are defined, it is simple to decide and program who can access where and when.

## **Convenient:**

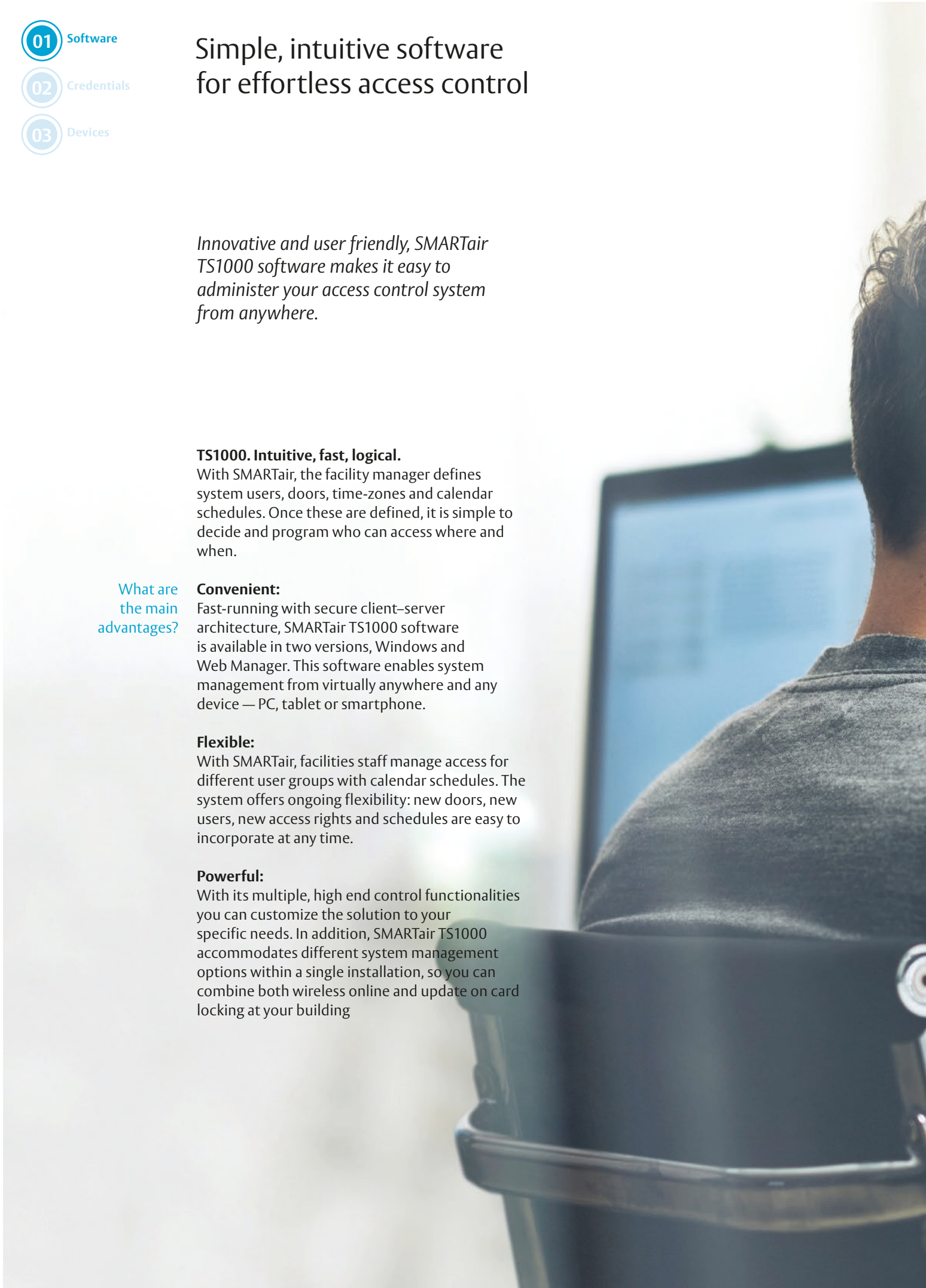
Fast-running with secure client-server architecture, SMARTair TS1000 software is available in two versions, Windows and Web Manager. This software enables system management from virtually anywhere and any device — PC, tablet or smartphone.

## **Flexible:**

With SMARTair, facilities staff manage access for different user groups with calendar schedules. The system offers ongoing flexibility: new doors, new users, new access rights and schedules are easy to incorporate at any time.

## **Powerful:**

With its multiple, high end control functionalities you can customize the solution to your specific needs. In addition, SMARTair TS1000 accommodates different system management options within a single installation, so you can combine both wireless online and update on card locking at your building







01 Software

02 Credentials

03 Devices

## A choice of convenient credentials to keep buildings and their users safe

*Speak, share, publish, pay... and now unlock doors with the Openow™ app.*



### Mobile virtual credentials

Meet Openow, the smartphone app that opens doors with BLE.

With Openow for iOS and Android, your mobile phone becomes a secure virtual key. Facility managers update virtual keys over-the-air from anywhere — eliminating delays in issuing new credentials or revoking lost ones. Cancel a virtual key and it vanishes immediately from a user's app. Every information exchange is protected by end-to-end encryption

Users also save time. There's no need to collect an access card: all valid keys are already on your smartphone. To unlock a SMARTair-protected door, users simply tap the phone against a reader.

Openow for SMARTair is the intelligent solution for secure mobile access control.



### Physical credentials

SMARTair credentials are more flexible and cost-efficient than mechanical keys. If someone loses their credential, it's easy to cancel and maintain site security. No more expensive and time-consuming work changing the locks.

Encrypted SMARTair credentials are available for all standard RFID technologies, including iCLASS®, MIFARE® Classic or DESFire® and SKIDATA. Multiple credential types are supported, including cards, tags, bracelets and stickers. Building users carry credentials in the most convenient format for them.

It is easy to program the same SMARTair access credential for use with vending machines, student library loan systems or a staff canteen. Card printers can customize cards with your brand or image.

**SMARTair credentials come in many formats and are compatible with multiple RFID technologies**



#### Openow™ App

Application to keep one or several virtual keys on a mobile device.



#### Remote App

Allows you to open doors from any place.



#### Card

The same card credential can be used for other applications like paying in canteens, vending machines, lockers...



#### Bracelet / Tag

Recommended for care facilities where users have problems related with old age.

- 01 Software
- 02 Credentials
- 03 Devices

## Minimalist devices that maximize security



### Electronic Escutcheon i-max Intelligent by design

Tough and elegant, the SMARTair Electronic Escutcheon blends with any environment, no matter the building style or type.

Available in multiple finishes, it is designed for installations that must combine a high degree of mobility with demanding security.



**i-max with reader  
in black**



**i-max with reader  
in white**



**i-max with  
keypad**





**Electronic Lock: SMARTair i-volution**  
**Robust locking for maximum security**

A sleek, modern design makes the perfect lock for sophisticated spaces. The SMARTair Electronic Lock offers the benefits of our Escutcheon, but with secure elements housed inside the lock itself.



**i-volution**  
**with black reader**

**i-volution**  
**with reader in white**



**Knob Cylinder**  
**The little device with big-league protection**

The SMARTair Electronic Knob Cylinder has been perfected for greater attack resistance without compromising a stylish, functional design. The new model is lightweight, but also more robust. Compatible with all types of door, it comes in a range of colours and finishes.



**Double  
cylinder**



**Double thumbturn  
cylinder**



**Half  
cylinder**



**Wall Reader**  
**Adapts to any electrical opening**

An electronic locking device for automatic doors, turnstiles, boom barriers, lifts and any other opening automated with electric or electromagnetic components. We also offer a custom solution for lifts that controls access to 40 floors in your building.



**Wall reader**



**Keypad  
wall reader**



**Design  
wall reader**



# Designed for buildings, trusted by people

*Every customer is different and each one has individual security needs. With multiple locking devices and flexible functionality, SMARTair meets the demands of customers and users in any industry.*



## Education

### Where?

- Student accommodation
- Universities
- Primary schools
- High schools
- Special schools
- Residential schools

### Who?

- Easy Student Saint Come- France
- Mezzino, UK
- MDIS Student Dormitory, Singapore
- Islamic University, Saudi Arabia
- Santo Domingo School, Spain
- Arkansas State University Querétaro, Mexico
- Islamic University, Saudi Arabia
- MDIS Student Dormitory, Singapore



## Healthcare

### Where?

- Nursing homes
- Hospitals
- Medical centres
- Dental practices

### Who?

- Casa de la Misericordia, Spain
- Notre Dame, Switzerland
- EHPAD Petite Soeurs de Pauvres, France
- Caceres Hospital, Spain
- Lion Health Centre, England
- MAZ Hospital, Zaragoza, Spain
- Caceres Hospital, Spain
- Lion Heath Centre, Stourbridge, England



## Commercial Spaces

### Where?

- Offices
- Coworking spaces
- Business centres
- Corporate headquarters

### Who?

- Marc Sangnier Shopping Centre, France
- ULAB Coworking, Alicante, Spain
- Business Centre 3000, Panama City



## Public Institutions and Buildings

### Where?

- Municipal offices
- Sports centres
- Libraries
- Museums
- Transport facilities

### Who?

- Danish Foreign Services, Denmark
- NATO, Italy
- Barcelona council office, Spain



## Multi-Residence

### Where?

- Apartment blocks
- Long-term holiday rentals
- Multi-family residences

### Who?

- Multi-Family, New York City, USA
- House Rentals in Trondheim Municipality, Norway
- Ammerud Housing Cooperatives, Norway



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