



**ASSA ABLOY**  
Opening Solutions

# Expand your access control system

with Aperio® wireless locking technology

Experience a safer  
and more open world



Losing a  
master-key  
costs time  
and money

How many  
replacement keys did you  
order last year?

*Every lost key costs you time and money – and an instant replacement is impossible. Stolen or copied keys are a constant security risk. Standard keys cannot be reprogrammed.*

In addition, mechanical keys don't support electronic audit trail, which means you never know, in real time, who enters where and when. And you can't change or update access rights. In short, your security system lacks intelligence and flexibility.



EXPAND YOUR  
EAC SYSTEM



## Upgrade your doors to Aperio and forget about keys

*Integrate more doors into your existing access control system by adding Aperio wireless locks. You benefit from:*

### **More security**

Door security for your entire building, not only the perimeter

### **Convenient credentials**

Open doors with secure RFID smart cards or your smartphone. If they are lost, you can revoke them instantly

### **More control**

Monitor access in real time and receive audit trails

### **Wireless integration**

Aperio locks are battery-powered. No need to connect them to the mains

### **Cost savings**

More than 80% of installation costs and over 70% in energy costs\*



### **Click or scan me!**

Scan or click on the QR code and download our free cost savings solution guide

\* Savings based on in-house research.



**Solve your lost  
key problem with  
secure RFID and  
mobile credentials**



# Access controlled doors and mechanical keys – Why manage two systems in parallel?

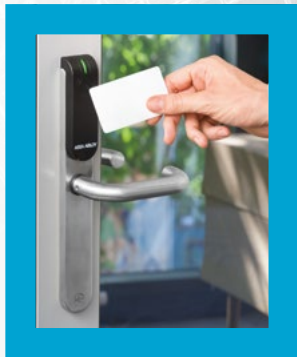
*Simply upgrade and expand your system with Aperio locks*



**Aperio is  
manufacturer-  
independent –**  
more than  
100 access  
control providers  
offer wireless  
door upgrades  
with Aperio

Because extensive wiring is required, installing traditional access control doors is very expensive. This is why access systems often only cover doors with very strict security needs. Your other doors keep their mechanical locks, and therefore cannot be monitored or managed. Losing a master-key creates a major security risk — an unsatisfactory set of circumstances for any security officer.

This is where Aperio technology can help. Doors are easily and wirelessly equipped with Aperio locking devices with integrated RFID readers — cylinders, escutcheons, locks or handles — and linked to your access control system. When you add Aperio locks, security and facility managers gain greater control; can quickly respond to organizational changes; and only need to monitor a single security system. Users carry just one credential (RFID, mobile, wearable) for all their access needs.



Add more doors  
easily...

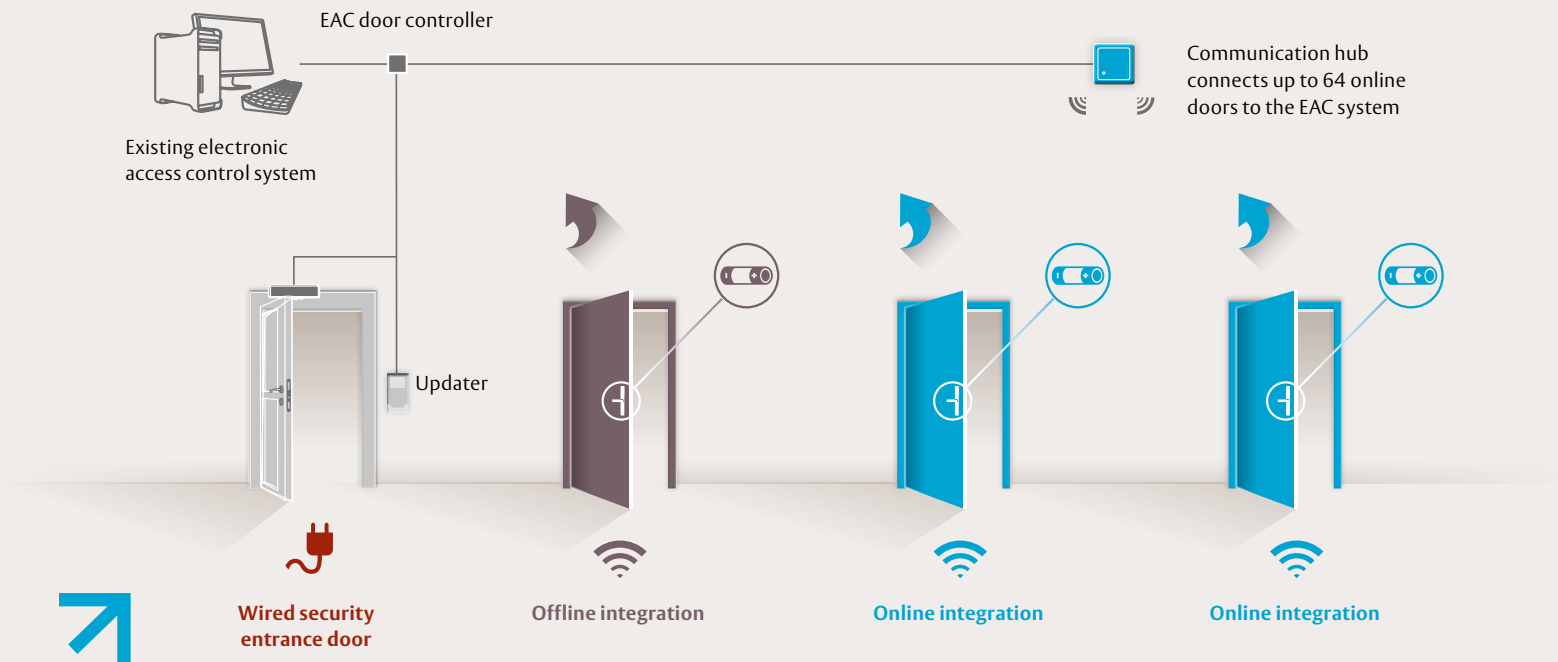


...while you keep  
your current system



# Aperio wireless access control technology adapts to your security needs

*Choose offline or online access management*



## **Aperio Online integration: Door monitoring in real time**

Aperio Online integrations in real time lock-to-system communication, instant audit trails and remote locking/unlocking function. Online integration puts you in total control of access and equips you to react quickly to any emergency. When integrated online, Aperio locks connect with your system via a range of different Communication Hubs to control up to 64 doors within a range of 25 metres.

Online Aperio locks are compatible with all standard RFID technologies. Online integration provides the option to cache 1,000 valid credentials.

## **Aperio Offline integration: Access rights on card via updater**

Aperio Offline locks are installed wire-free and integrate seamlessly with a new or existing access control system. Individual lock and user permissions updates may be completed remotely or locally, including with Aperio update readers. For maximum compatibility with new and existing systems, Aperio Offline locks accept most RFID technologies, incorporating audit trail support. With Aperio, you can also combine Offline and Online doors within the same installation.

Aperio Offline locks support both ASSA ABLOY Offline and OSS Standard Offline protocols, guaranteeing interoperability with a broad range of access systems.



**No cabling**  
Aperio locking devices do not need wiring at the door



### Save energy

Aperio locks consume up to 80% less energy compared to a wired electronic lock (see also page 3)

## Aperio Solution

*Door locking devices*



Recognised three times by industry awards for innovation, operation and interior design



### Aperio H100

#### Electronic Handle with RFID-reader

**Slim, modern design for interior doors**

Aperio H100 packs the power and flexibility of wireless access control into one slim, cleverly designed, battery-powered door handle. With easy retrofitting to almost any interior door and comprehensive RFID support, the Aperio H100 handle makes it cost-effective to boost security for sensitive offices, storerooms, archives, meeting rooms and more.

**H100 holds fire certification: EN1634-1**



Fast installation:  
It takes 2 minutes to install an Aperio cylinder



### Aperio C100

#### Electronic Cylinder with RFID-reader

**Perfect fit for office and interior doors**

The Aperio C100 Cylinder is a wireless locking device suited to almost any internal door — from offices and meeting rooms to classrooms, stock rooms and bedrooms.

The C100 Cylinder fits all mortice locks, including on glass doors. It comes in single- and double-knob, DIN, Scandinavian and Swiss cylinder body versions with metal knob cover.

**Server rack and panic device versions available**





### Save maintenance costs

Aperio locks just need a battery change every 2 years (approx.)

## Aperio Solution

*Door locking devices*



Aperio E100

**Electronic Escutcheon with RFID-reader**

**Convenient access control  
for higher traffic doors**

The Aperio E100 Escutcheon is a popular choice for internal doors receiving medium to high traffic. Aperio E100 Escutcheons offer a convenient combination of free exit from the inside with automatic locking on closure from outside. The Aperio E100 is available in additional versions: Premium (for security, fire and escape route doors) and PINpad (for multi-authentication).

**Seos® via Bluetooth Low Energy available  
in 2020**



Available with privacy  
or 'Do not disturb'  
option



Aperio L100

**Electronic Lock with RFID-reader**

**The cost-effective solution for doors  
with high security requirements**

The Aperio L100, available with PINpad for multi-factor security, is the most complete electronic wireless security lock on the market. This sophisticated solution, the latest in wireless access control technology for security doors, provides a cost-effective, straightforward alternative to a wired high-end solution. Neither cabling nor door alterations are required during installation. And you can choose a variety of handles.

**Versions available for panic exit devices**



Monitoring and  
audit trails:  
Take full control of  
your door in real time.  
Receive audit trails,  
information on door  
status or lock your  
doors remotely.



### Get more control

Scheduling user rights or generating instant audit trails takes security management to the next level

## Aperio Solution

*Beyond the door*



### Aperio KS100

#### Electronic Server Rack Cabinet Lock with RFID-reader

#### Wireless protection for your server cabinets

The Aperio KS100 provides protection for your data, even in shared data centres. The battery-powered cabinet lock connects to your electronic access control system via a communication hub, with no need to wire the server rack. It is easy to install and offers full audit trail capability, so you know exactly who has accessed your server rack, and when.



#### Click or scan me!

Download our free white paper including 12 data centre security tips



KS100 works with your existing cards – no need to issue new ones



### Aperio KL100

#### Electronic Cabinet Lock with RFID and Bluetooth reader

#### Secure lockers, drawers, cupboards and cabinets

The KL100 is the perfect lock for offices, schools, utilities and other sites where there is a need for cabinet access control. It works with your existing credentials, extending access control beyond doors to secure lockers, drawers or cabinets.

Available early 2021



For use with swinging and sliding cabinet drawers



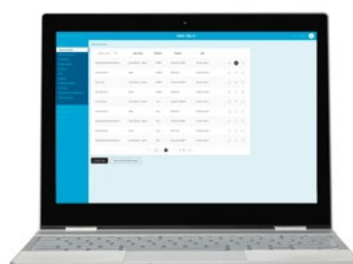
# Aperio Solution

At a glance

Aperio devices are available in DIN, SCAN, Swiss and Finnish profiles



**Aperio communication hubs**  
Connected via TCP/IP network, RS485 or Wiegand interface to the EAC system



**Aperio PAP-Tool**  
Software for installation and programming Aperio devices



**Supported RFID technologies**

**Supported mobile technologies**

<b>SEOS</b>	HID Seos	All
<b>iCLASS</b> by HID	iCLASS® ISO 14443B	All
<b>MIFARE™</b>	MIFARE classic	All
<b>MIFARE™</b>	MIFARE plus	All
<b>MIFARE™</b>	MIFARE DESFire	All
<b>LEGIC</b> Proximity & ID Technology	LEGIC®	C100, E100
<b>PROX BY HID</b>	(HID PROX / EM410x) Low Frequency 125 kHz	KS100
<b>N</b>	Seos via NFC	All
<b>Bluetooth</b>	Seos via Bluetooth Low Energy	E100 and KL100

# Aperio in Action

*Projects around Europe – and across all industries*

## Healthcare

### Savoy Hospital

#### Chambéry, France

More than 1,300 Wireless Aperio locks complement wired locking to secure a large French hospital: With real-time door control and system compatibility with the government's electronic Health Professional Card (CPS).



## Education

### CROUS Montpellier

#### Montpellier, France

Aperio minimizes lost key hassles for a growing student accommodation block: More than 1,500 Aperio cylinders installed. With one card, students can open their rooms, pay for lunch and work the printer.



How Aperio  
users expand



## Commercial

### Plexal

#### London, UK

Aperio delivers future-proofed access control at £15 million innovation hub: With reliable high-end security to protect the new co-working space against unauthorised intrusion and burglary.





## Aperio for all

There is a flexible Aperio solution for every business or building



*Entertainment and sports*

### Ahoy Rotterdam

#### Rotterdam, Netherlands

Aperio protects Ahoy, the leading event complex in the Netherlands: Around 150 doors in the Sport Palace and Plaza are equipped with Aperio. The simple security upgrade kept installation costs in check with only minimal modifications to the existing doors and by making use of existing card readers.



their access  
control systems



### Learn more

#### Click or scan me!

Want to know why dozens of companies have chosen Aperio? Click or scan the QR code and we will put you in touch with one of our local experts.



*Offices*

### BMCE Bank

#### Casablanca, Morocco

As part of a complete overhaul of its headquarters' security arrangements, the bank chose Aperio wireless locking technology to provide 50 glass doors with an instant access control upgrade, without compromising on aesthetics.



The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, door and window hardware, locks, access control and service.

**ASSA ABLOY**  
Opening Solutions

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United Kingdom  
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