



Cut the wires, cut the bill

How wireless access control helps you save costs

ASSA ABLOY
Opening Solutions

Experience a safer
and more open world

Saving money with wireless access control

Improving your company's bottom line

Businesses and public sector organizations face a multitude of cost pressures. Many — currency fluctuations, raw materials prices, trade policies or regulations — are out of your control. But one key area where you can impact the bottom line right now is the cost of owning and running your security system. When you opt for wireless rather than wired door security, your company can benefit from:

Energy efficiency

According to the Harvard Business Review*, energy efficiency is “among the key levers of business success”

Reduce operational expenditures

Three out of 4 installers say wireless systems make installation easier, faster and more cost-effective**

Contribute to a sustainability strategy

Running a responsible, compliant organization enhances reputation and lowers the cost of doing business

* see <https://hbr.org/2017/01/energy-strategy-for-the-c-suite>

** see <https://campaigns.assaabloyopeningsolutions.eu/wacreport2018>



Impact of wireless access control on your spending

Find out more

Saving money with wireless access control

Cut costs over the whole lifecycle

Reuse existing devices when redesigning or moving offices



Add new doors to your EAC system cost-effectively



Keyless operation means lower costs when a credential is lost



Maintenance: wireless systems only need a battery change after 2 years



Quicker to install and lower labour costs



Little or no drilling around doors means lower energy consumption



Battery-operated locks only use power when there is a credential to read



Wired vs. wireless systems. Compare costs:

Installation stage »

Use stage »

Expansion stage »

A man with dark hair and a beard is shown in a blurred background, focused on installing a door lock. He is using a yellow-handled screwdriver to work on the lock mechanism. The door is made of light-colored wood. The lock has a silver handle and a silver base plate. The overall scene is a close-up of the installation process.

Comparing wired and wireless security systems

Installation stage

Save
more than

80%

in labour costs during
installation

Save time and labour costs

Wire-free door lock installation is faster, quieter, quicker and less disruptive than running cables to every door you want to hard-wire to a security system.

And because wireless locks are faster to fit, you will spend less on fuel to transport installers to/from your workplace or to accommodate them in a nearby hotel.

Wireless access control can save you more than 80% in labour costs during installation.

[See the calculation »](#)

100 locks
Wired vs. Wireless
Installation cost
calculation*

100 Wired door locks



6 specialist installers



41,5 hours
installation time


250 man-hours × 70 €
(hourly labour cost)

17,500.00 €


Save up to
82.5 %
labour costs

100 Wireless door locks



6 specialist installers



5,5 hours
installation time


33 man-hours × 70 €
(hourly labour cost)

2,310.00 €

Savings with
wireless access
control



- **Budget:** more than 80% for man-hours
- **Time:** installation is done in less than 1 day (instead of 5)
- **Energy and noise:** almost no drilling is needed to install wireless locks
- **Unnecessary dirt:** No opened walls, no drilling dust in your premises

* Calculations are based on an average from real installation projects across Europe, using anonymised data sourced from our partners. Typically, a 100-door installation uses 6 specialist installers and takes 33 person-hours to complete with wireless locks, 250 with wired locks. Labour costs vary by country and project.



Comparing wired and
wireless security systems

Use stage



Energy saving and maintenance cost

Over a 10-year budget horizon, wireless locks are much more cost-effective to own and operate. Why? Because wired magnetic doors are connected to the mains and use power around the clock. Wireless locks are battery-operated and only fully “wake up” when presented with a credential. They consume a fraction of the energy. Wired doors require regular, specialist maintenance. Typical maintenance for a wireless lock is to change its standard battery every 2 – 3 years. And you can do it yourself.

Wireless locks save more than 70% in energy costs

[See the calculation »](#)

100 locks Wired vs. Wireless locks Energy cost calculation over 10 years*



100 Wired door locks,
permanently connected to the mains

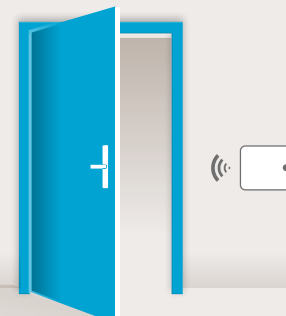


Per lock:

370 kwh average energy consumption in 10 years



maintenance frequency:
regularly by a specialist



100 Wireless door locks,
only “wake up” when presented with a credential



Per lock:

maximum 5 batteries in 10 years



maintenance frequency:
battery change every 2 years; no specialist needed

Savings with wireless access control



- **Energy:** more than 70% in energy costs (11,100 € vs. 3,000 €)
- **Maintenance costs:** Maintenance spending for wireless locks is 28 % less than for wired ones (7,700 € vs. 5,500 €)
- **Plus:** going keyless means lower material costs when credentials go missing



Energy:	11,100.00 €
Maintenance	+ 7,700.00 €
Total:	18,800.00 €



Save up to
55%
energy & maintenance costs



Energy:	3,000.00 €
Maintenance	+ 5,500.00 €
Total:	8,500.00 €

* Calculations based on real average energy prices (0,3 € per kWh and 6 € for battery) around Europe. Of course, retail energy prices are unstable and probably growing over the long term. Battery-powered locking also removes much of this budgetary uncertainty. Typical costs may vary by country and project.

Comparing wired and wireless systems

Expansion stage

Wireless lock integration has never been so easy

You don't need to start again with a new access or security system to benefit from wireless locks' cost-saving benefits.

Some wireless locks are built to open standards, to enable seamless interoperability with security and building management systems from multiple different manufacturers. You can start small, expand access control cost-effectively to key doors, and gradually roll out powerful, wireless security.

Add security to your doors cost-efficiently

[See the integration](#)

Save extra money when relocating

[Reuse locks](#)

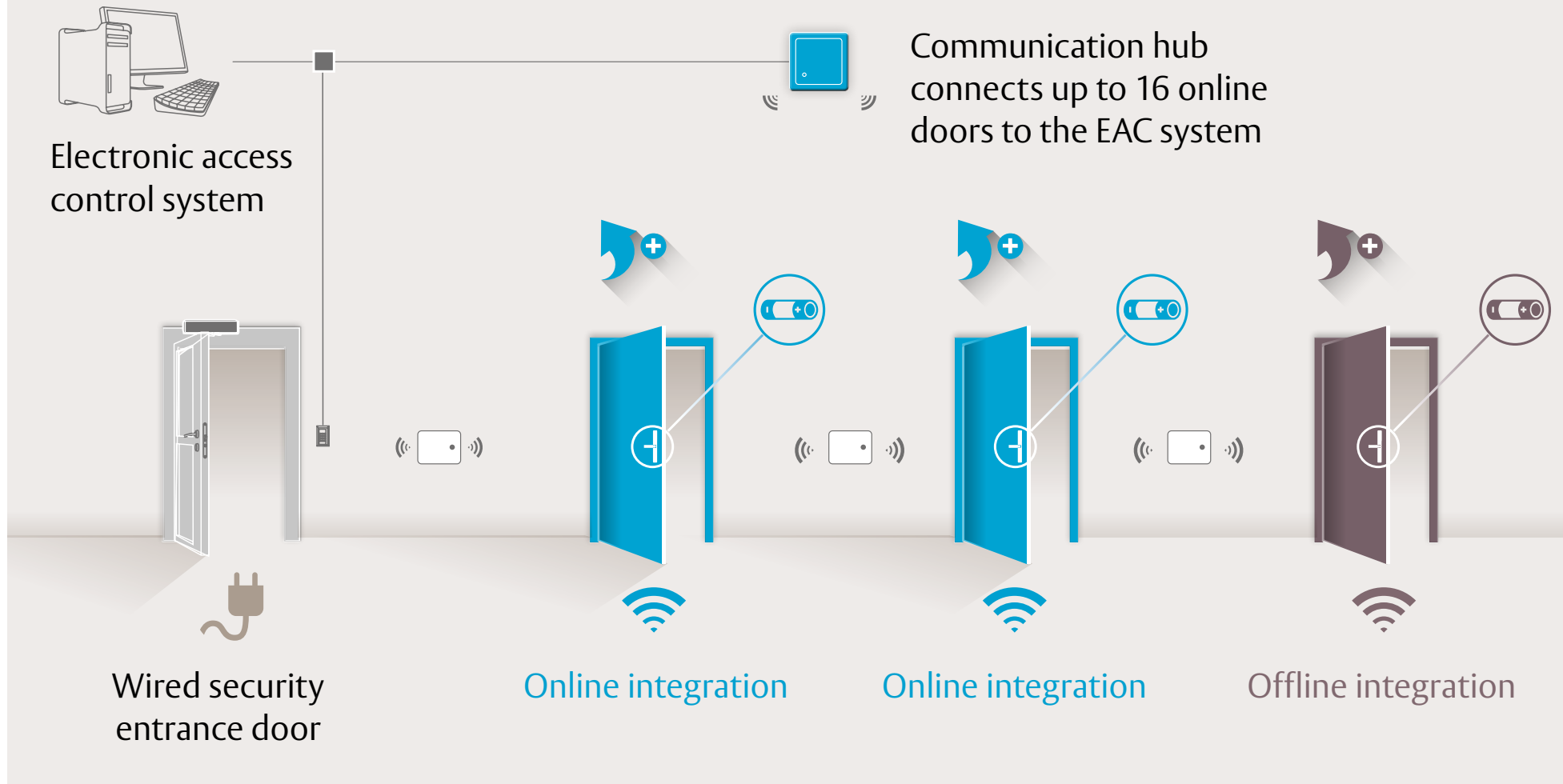


it can take
less than

1 day

to add 100 doors
to your current
EAC system

Add doors to your EAC system with battery-powered locks



Add new doors to your EAC system cost-efficiently

- **Keep your system:** wireless locks can integrate seamlessly with any EAC system
- **Keep your credentials:** wireless locks work with all common high security RFID technologies
- **One communication hub for 16 new doors:** cost-efficient online integration with real-time access control
- **Or even without hub:** offline integration – transfer of access rights via card updater



Relocation

Reuse locks when moving to a new building

Walls can't be moved – wireless locks can

When you move offices or reconfigure doors, you will need to replace and reinstall wired doors completely. Wireless door locks can typically be reused without impacting reliability. Move them to wherever is convenient within your new office layout, or equip new doors altogether.

Add flexibility to your EAC system and save money

Wireless locks can be swapped when you are reorganizing spaces or your security needs change. There is no need to invest in new devices.

Average saving of

30%

security costs for
office expansion or
relocation

With wireless electronic access control,
you reduce your environmental footprint while you cut costs

Sustainability advantages

**Energy
efficiency**
is one key pillar of
green buildings



Less material

Wire-free
installation and
keyless operation
use less material
that is not easily
recyclable, like
metal keys and
mixed-material
cabling



Reusable locks

Because you can
reuse your wireless
locks, overall waste
during renovation,
expansion or
relocation is
reduced



Save energy

Lower energy
use during locks'
operation means
lower carbon
emissions per
door and/or user



Less fuel

Fewer trips for
installers to/from
your workplace
reduces fuel
consumption and
CO₂ emissions





Aperio® – A trusted wireless access control solution

Take control of your costs

Wire-free door locks with Aperio technology are installed without cables, run on standard batteries and can move from door to door as needs change in your workplace. With Aperio, you can extend access control to many more doors without breaking the bank.

Why choose Aperio?

- Electronic access control for more doors, at lower cost
- Keyless door entry that saves your employees' time
- A range of easy-to-install locks for any door or opening
- Seamless integration with systems from over 100 manufacturers worldwide



Aperio in action

Centre Hospitalier Universitaire de Grenoble, France

Hospital managers wanted an access control system they could maintain in-house, to control costs effectively and to enable instant turnaround when maintenance works were needed.

Aperio cylinder and escutcheon maintenance is straightforward: a new lithium-ion battery every 2 years is all that is usually required. In addition, because escutcheons and cylinders are so easy install, moving or adding new Aperio® components has been taught to in-house staff.

Plexal, flexible workspace, London

Stewart Johnson,
Director at NetNodes:

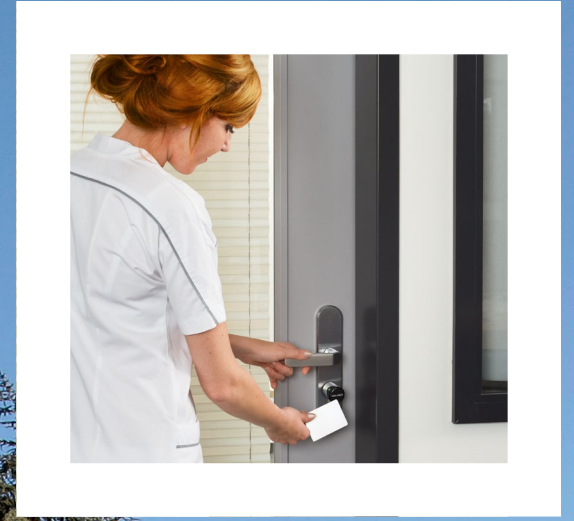
"With no wiring required, it was quick and easy to install Aperio with minimal disruption."

Lund University, Sweden

Magnus Svensson,
Infrastructure Manager:

"Installation was problem-free. Aperio has proven to be very cost effective."

More case studies



Centre Hospitalier Universitaire de Grenoble, France

Find out more about Aperio Wireless Access Control



We hope you find this Aperio solution guide useful. If you would like more information about Aperio, click the link below and we will put you in touch with one of our local experts.

Your consultant will help you to:

- Boost security and improve workflow efficiency
- Reduce capital expenditure and operational costs
- Discover new return on investment opportunities

[Put me in contact with an expert](#)



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.

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