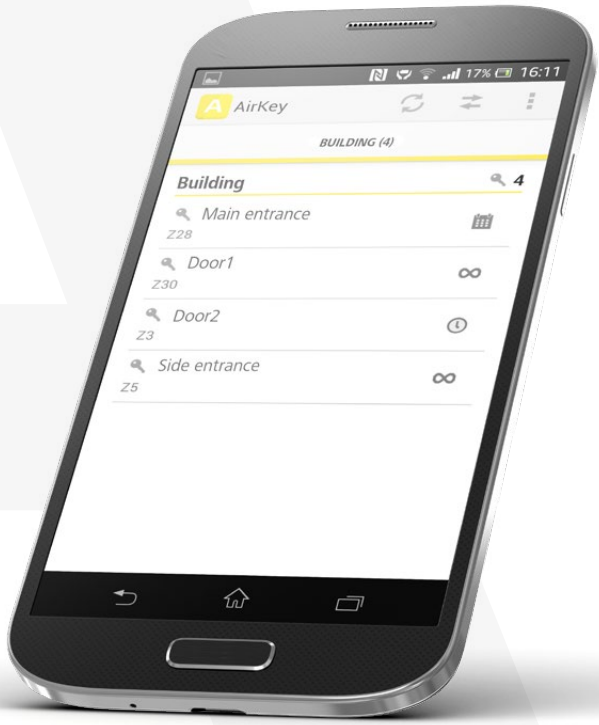
EVVA
access to security

Available now
AirKey wall reader



AirKey

Product catalogue | 2016

More than just a catalogue

This catalogue features all the essential information about the innovative, electronic AirKey locking system.
For which object categories is AirKey best suited? How does it work?
What are the benefits of AirKey?
Find all the right answers to your questions in this catalogue.

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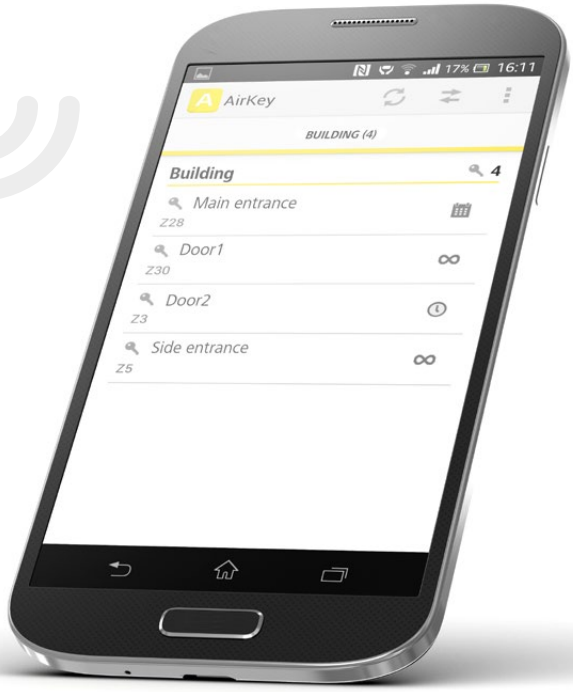
AirKey product catalogue | 10/01/2015 | Subject to misprints and technical changes.

AirKey | The locking system for flexible applications

AirKey

» Just as dynamic as our customers' needs «



AirKey is the innovation from EVVA. Developed and manufactured in Austria, the electronic locking system offers flexible solutions for daily, around-the-clock business, in particular for businesses with various sites. With AirKey the key is sent via the Internet. All you need is an NFC-compatible mobile phone, Internet access and an AirKey cylinder or AirKey wall reader. The AirKey app and the unique EVVA KeyCredits turn this smart locking system into a user-friendly, complete solution.

AirKey benefits at a glance

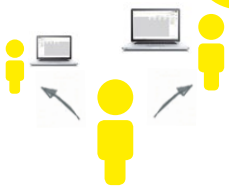
- The mobile phone is the key
- Keys/authorisations are sent via Internet
- Free software as a web service
- Modular, adjustable cylinder
- Quality made in Austria

Everything about AirKey – easily explained.

AirKey top features

Component sharing and multi administration
Simple management of locking system sections and distributed company sites.
» **Page 20, 21**

TOP

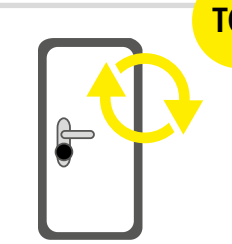


Smartphone is the key
Use the AirKey app on your smartphone to create and update identification media.
» **Page 38**

TOP

Doors up-to-date
Clear dashboard: Are maintenance tasks due? Are all doors secure?
» **Page 31**

TOP



AirKey wall reader
The AirKey wall reader opens up many more application options for AirKey.
» **Page 62**

NEW

Identification media
No smartphone? AirKey offers an ample range of identification media.
» **Page 36**

KeyCredits
Pay per key – only pay for what you need.

Free software with Pay per key
» **Page 31, 34**

New in this catalogue:
AirKey wall reader

AirKey now also suitable for
sliding and swinging doors
Locking elements
(e.g. motorised cylinders)
Separation (e.g. turnstiles)
Lifts

» **Page 62**

EVVA | A tradition with a future

Founded in Vienna in 1919, the EVVA Group is now represented by the headquarters in Vienna, 10 subsidiaries in Europe and distributors worldwide. EVVA employs around 800 people throughout Europe.

Three engineers joined forces in 1919 to form the "Erfindungs-Versuchs-Verwertungs-Anstalt" (Invention, Experimentation and Application Institute), or EVVA for short. In 1937, EVVA received the first patent for a cylinder padlock, helping the company to strike out on the path of security technology. Nikolaus Bujas took over the company in 1973, invested in machinery and expanded the in-house research and development department.

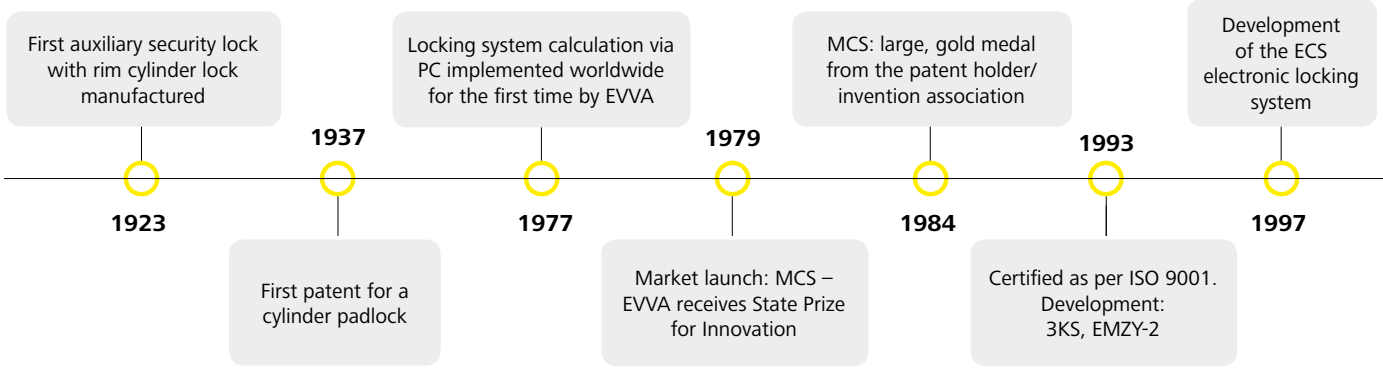
Research, development + expansion
At the end of the 1970s, Sven Berlage pushed forward the expansion of the branches, as well as export and international positioning of the company. Since 1999, Stefan Ehrlich-Adám has been the third generation at the head of the family-run company. He is setting the course for a successful future for EVVA. Alongside tradition, research and development are key focus areas. Innovation and development are important elements to help EVVA grow into a major, international player. EVVA is already a leading manufacturer of access solutions in Europe.

Perfect mechanical solutions + innovative electronic solutions
EVVA as a company with a tradition is amongst the top suppliers of mechanical locking systems.

In 2014 EVVA launched Xesar and AirKey, the two innovative electronic locking systems which are a result of our long lasting professional experience.

Facts + figures
Headquarters in Vienna + ten branches
800 employees throughout Europe
EVVA supplies in over 50 countries all over the world
TRIGOS Award 2012
2011 City of Vienna environmental award
CONSECUTIVE, ANNUAL ÖKOPROFIT awards since 1999
Certified as per ISO 9001

Overview of innovations



EVVA – ***innovation since 1919***

EVVA continues to invest in its workforce

Corporate social responsibility (CSR)

For EVVA, CSR is more than just image, it is a necessity. Particularly for top technology companies, it is essential to work as sustainably as possible. Protecting environmental resources, investing in employees and paving the way for economic success.

Photovoltaic energy generation at EVVA

Clean production

EVVA is increasing its focus on an oil- and water-free production of products. This type of production, known as clean production, offers a wide range of advantages. EVVA has received numerous prizes for sustainable innovations. Examples include the Leonardo Award 2004, the Environmental prize 2011 from the City of Vienna, the TRI-GOS Award 2012, as well as the annual "Ökoprofit-Auszeichnung" (Ecological Project for Integrated Environmental Technology Award) every year since 1999.

1999 – Development of MCS in the modular system

2002 – Development of the motorised cylinder EMZY "MKT 35"

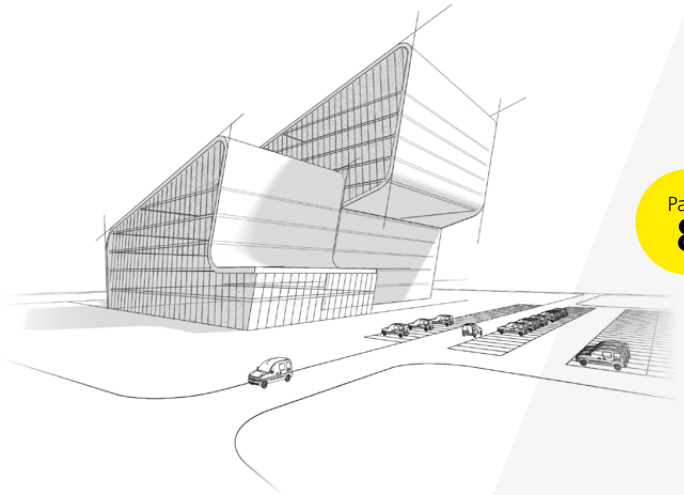
2006 – Development of new mechanical locking systems (EPS, 3KS*plus*)

2008 – EPS market launch

2009 – Launch of ICS and e-primo

2014 – Launch of the innovative, electronic Xesar and AirKey locking systems

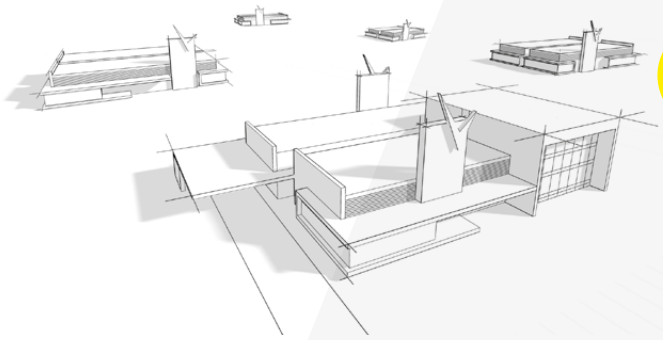
AirKey | Solutions



Page **8**

Service providers

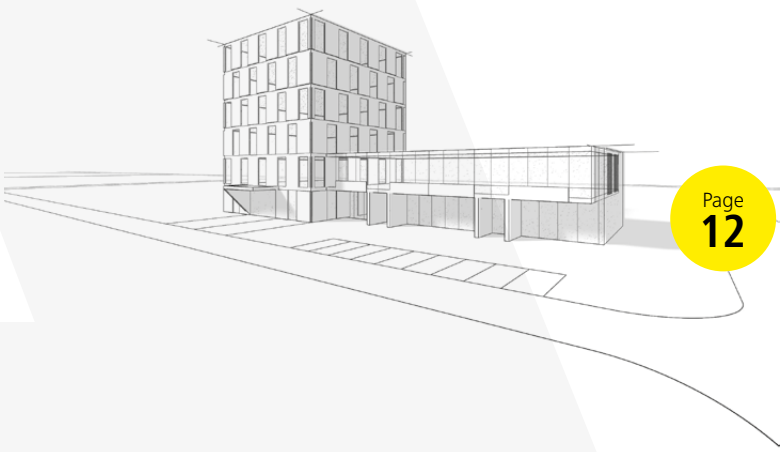
Community nurses, maintenance and service providers, security services, delivery services, telecommunications service providers



Page **10**

Businesses with various sites

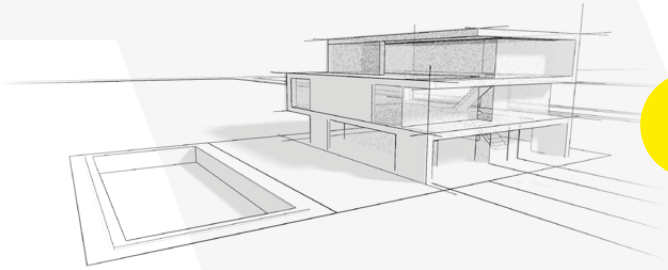
Supermarkets, petrol stations, pharmaceutical retailers, DIY retailers, retail and restaurant chains



Page 12

Small businesses + shared office

Sole traders, shared offices, law firms, doctor's offices, pharmacies, restaurants, small commercial businesses



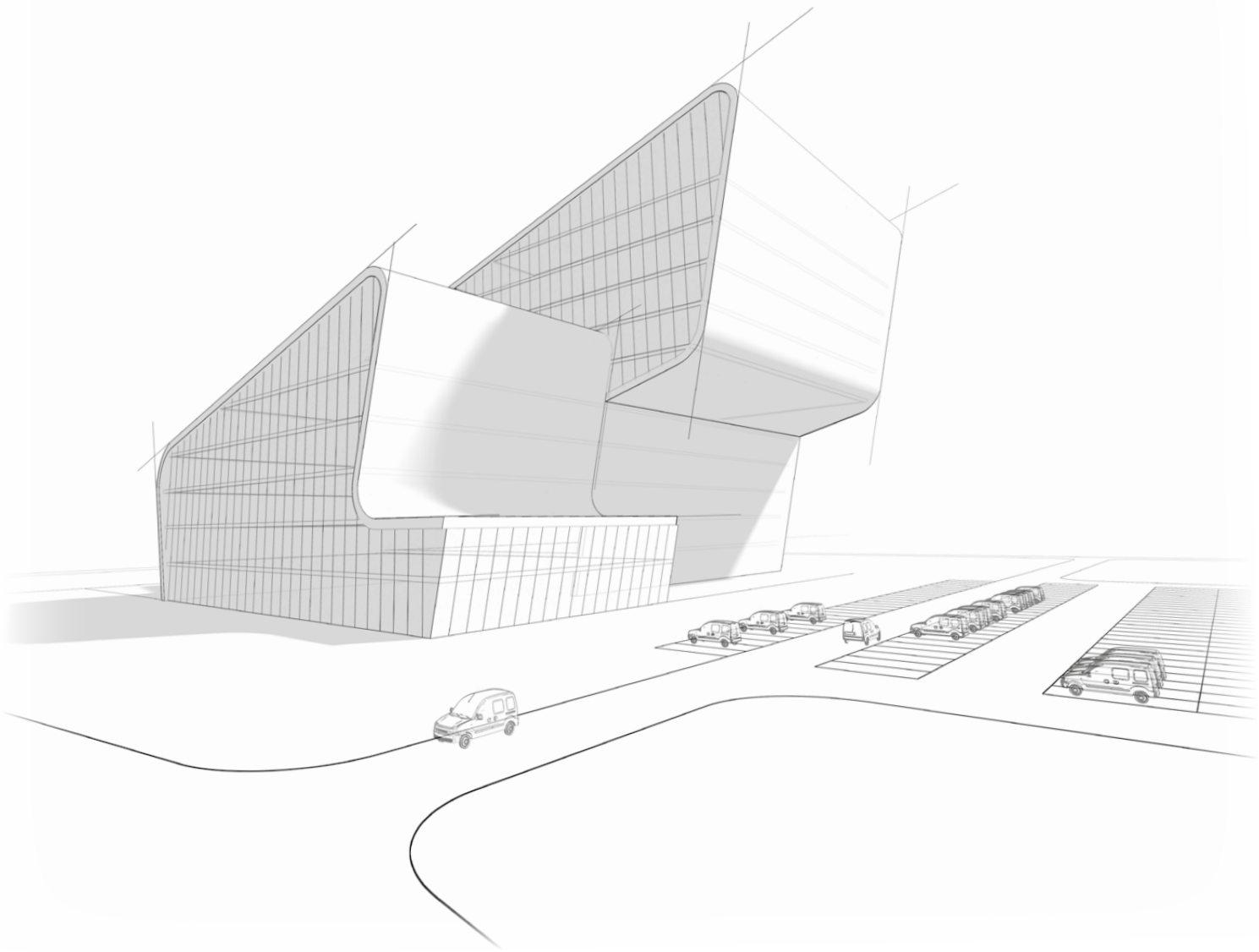
Page 14

Private premises

Detached properties, holiday homes, flats, club premises, common rooms

AirKey product catalogue | 10/01/2015 | Subject to misprints and technical changes.

AirKey | Service providers



Serving humans

An increasing number of people is receiving medical treatment in the comfort of their own homes. Regardless of whether this is done by community nurses, family members or a mixture of both.
It may also be possible that the person responsible for care is unable to make the appointment at short notice and someone else has to cover for them. Now, how does this person access the corresponding premises? In such cases, the AirKey locking system allows you to quickly and easily send authorisations/ keys to a mobile phone. You may also restrict the access times, depending on the time period that is actually needed for the treatment.

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Mobile security

You require reliability and flexibility whenever a high degree of mobility is involved or it is paramount to absolutely safeguard the care of vulnerable persons and the security of possessions. Circumstances can change quickly. However, you must guarantee access in all cases.
The AirKey locking system is just the right, flexible solution if your situation changes at short notice. You can centrally grant access authorisations at short notice, for instance to community nurses, security or maintenance services. If required, you can even restrict the access times. As a result, persons and property are reliably looked after and protected.

Save time

Handing over keys is a thing of the past. Nowadays, with AirKey, the access authorisations are sent over the Internet. It's quick and there are no shipping times. This – most of all – supports community nurses as they protect and care for the most vulnerable members of our society.

AirKey app
» **Page 38**

Ultimately flexible

If your circumstances change at short notice, AirKey is just right for you. The key can be sent to a mobile phone or written by a mobile to an identification media.

AirKey identification media
» **Page 36**

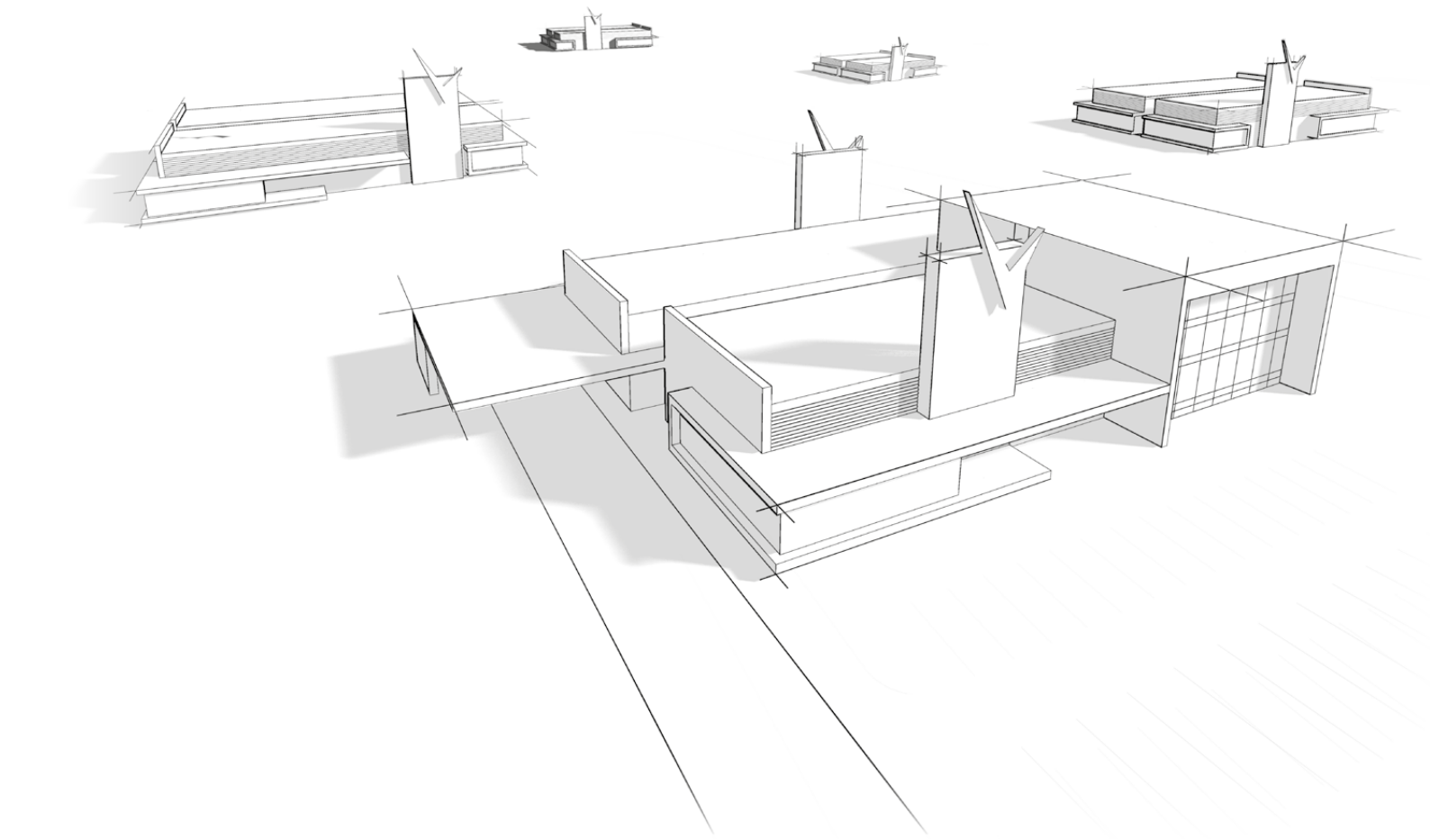
Transparent security

With AirKey you are always fully aware if and when someone locked a cylinder. This gives owners as well as service providers the required transparency and security.

AirKey online administration
» **Page 28**

Your sample system » Page 24
Community nurses, maintenance and service providers, security services, delivery services, telecommunications service providers

AirKey | Businesses with various sites



Nicely in control

It all starts with one branch, you expand more and more, spread across the region and branches may have different opening times as well as organisational demands. An enormous challenge for goods delivery logistics, cleaning or part-time staff. AirKey was designed for absolute access control for you to be able to react quickly and flexibly to changing circumstances. Quickly and easily grant or revoke access authorisations online – at any time. Pay per key keeps costs at bay.

AirKey product catalogue | 10/01/2015 | Subject to misprints and technical changes.

Dynamic security

A branch network is subject to dynamic laws. Systems must allow you to grant access authorisations to different persons at different times. This results in enormous organisational challenges and requires an access system that offers great flexibility and maintains maximum security.
This is what AirKey represents: an agile, extremely flexible locking system that applies web-based software and can be configured from anywhere in the world via the Internet. As a consequence, branch managers or the head office can quickly and unbureaucratically grant or revoke (limited validity) access authorisations using a simple user interface.

In control of security

AirKey gives managers full control of their branches. They can quickly and easily grant access authorisations to the identification media or mobile phones of suppliers, cleaning or part-time staff.

AirKey identification media
» **Page 36**

Perfect control

AirKey wall readers allow to ideally operate electronically controlled door situations, such as sliding and swinging doors or turnstiles.

AirKey wall reader
» **Page 62**

At a glance

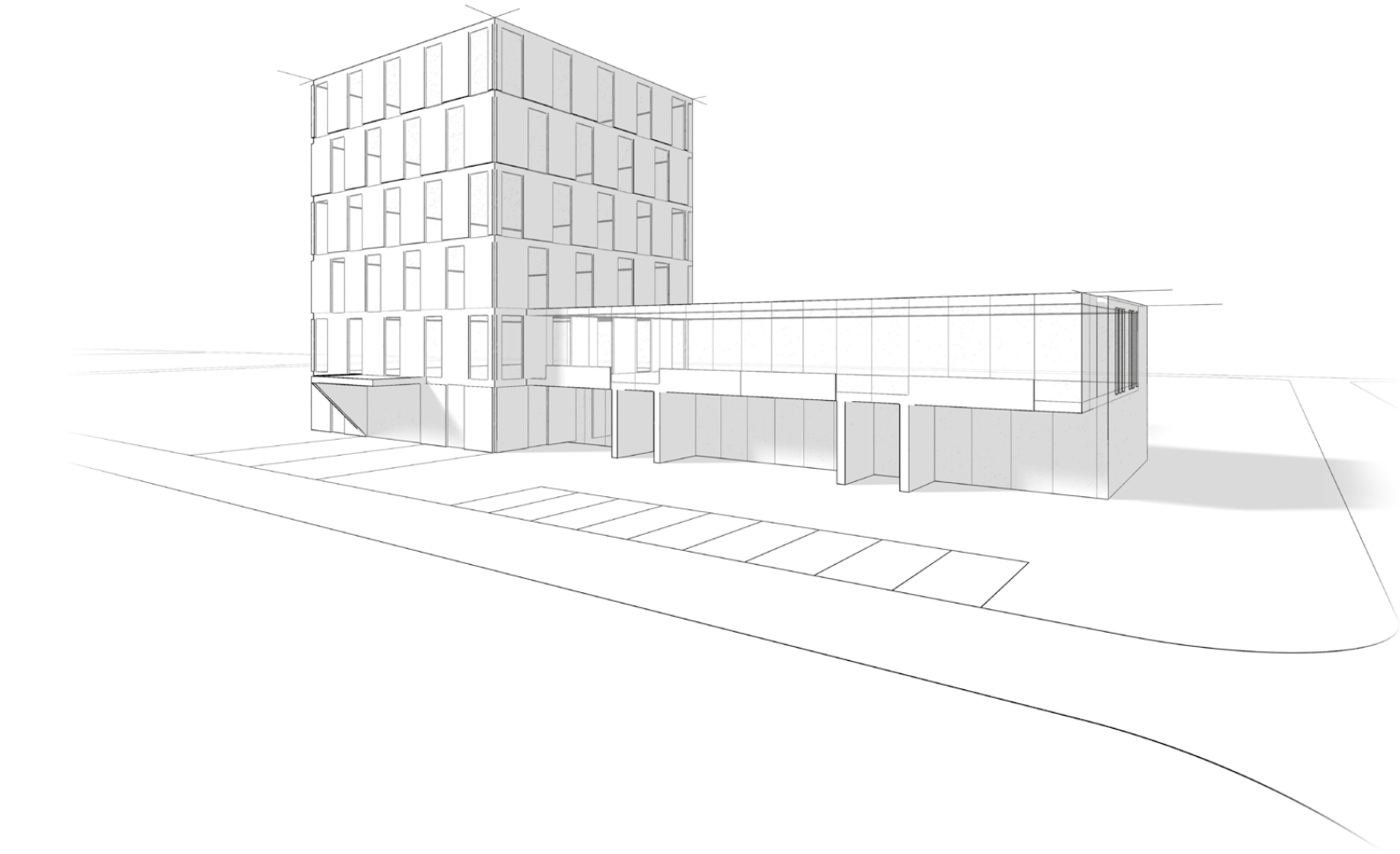
The head office can view event logs at any time. This facilitates plans for the future, yet does not impede the branches' right to manage their own processes.

AirKey online administration
» **Page 28**

Your sample system » **Page 24**
Supermarkets, petrol stations, pharmaceutical retailers, DIY retailers, retail and restaurant chains

AirKey product catalogue | 10/01/2015 | Subject to misprints and technical changes.

AirKey | Small businesses + shared office



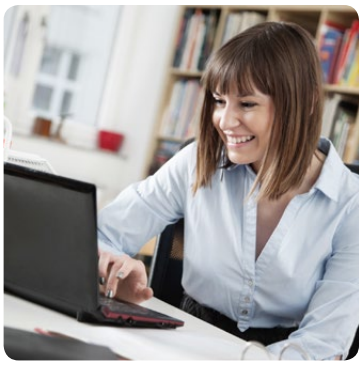
Secure, new working environment

Architect, PR agency and mediator under one roof?
Shared offices are definitely up and coming. In this process, participants not only share facilities and costs. They also enhance their horizons beyond their own businesses, recommend customers and link otherwise unrelated subjects to each other.

The locking system in said office communities must be as flexible as the shared office concept itself. Different access authorisations, simple application and guaranteed maximum security with regard to access from the outside, but also amongst shared office members. The ideal solution: AirKey.

Flexible security

Today's working world demands a locking system that is as flexible as the continuously changing work processes. However, it must simultaneously safeguard maximum security – just like in traditional corporate structures.
AirKey is exactly this type of locking system that offers maximum flexibility and maximum security. Manage access authorisations using a simple, web-based user interface.
EVVA centrally manages the online administration in the background.



Simply secure

Access authorisations are simply granted in the online administration. There is no need for an own IT infrastructure. This saves resources.

AirKey online administration
» **Page 28**

Be more flexible

Quickly grant access authorisations to any mobile phone. This will allow external workers to access the premises at short notice, for instance to complete a project.

AirKey app
» **Page 38**

Shared security

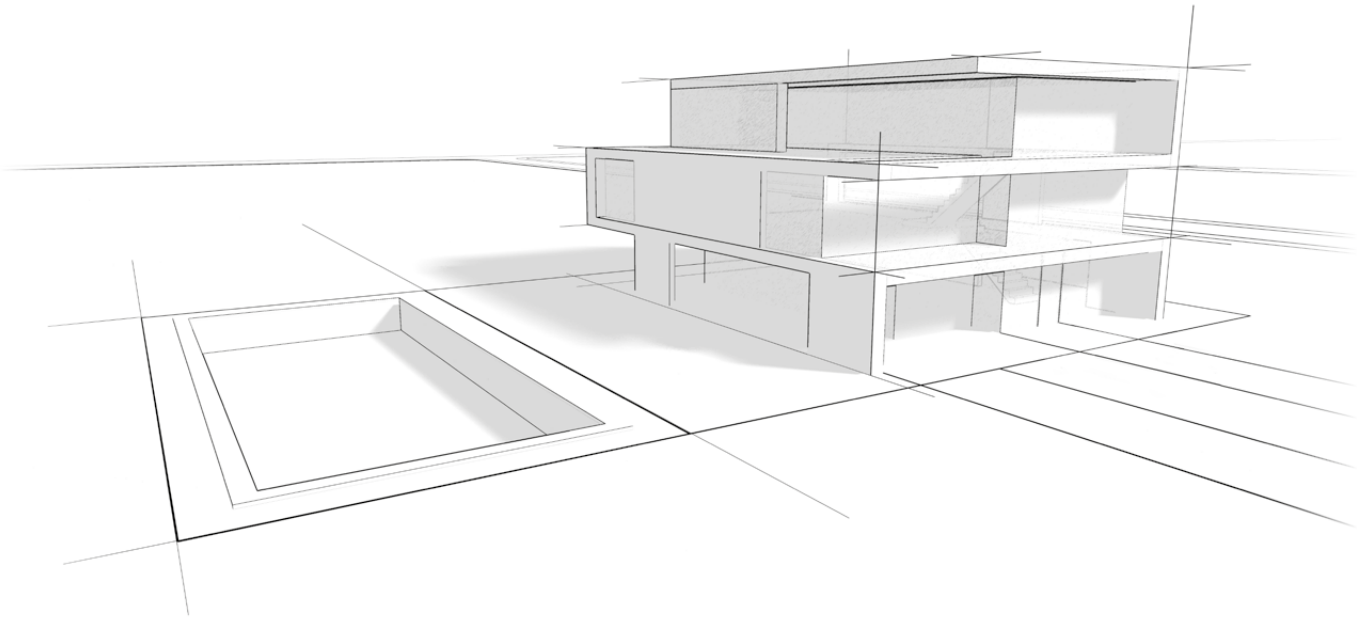
The community kitchen is often a central area in shared offices. As a result, you can manage individual cylinders together and let social networking take its course.

AirKey cylinders
» **Page 42**

Your sample system » **Page 24**
Sole traders, shared offices, law firms, GP surgeries, pharmacies, restaurants, small commercial businesses

AirKey product catalogue | 10/01/2015 | Subject to misprints and technical changes.

AirKey | Private premises



Complete smart homes

Are you sure the coffee machine is off, the feeder in the fish tank has been activated and the cat is not locked in the basement? These are all questions that arise mostly when the entire family is already sitting comfortably in the car, on the way to the holiday destination. Would it not be handy if you could now send your neighbours an electronic key to their mobile phone? An access authorisation with limited validity, just to check out the situation? With AirKey this now all becomes possible. Access authorisations can be quickly and directly granted to mobile phones via the Internet. The perfection of all smart homes.

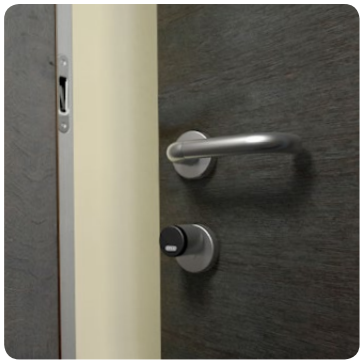
No worries about security

The person that was supposed to look after your cat has broken a leg, there was no time to hand over the keys and you lost the third set of keys a long time ago. AirKey was designed to still allow you to go away for the weekend without having to worry. Worldwide online key assignment with restricted access authorisations and a seamless event log.
The battery-powered cylinder is installed in no time and it is started up using a mobile phone. The user interface is very clearly structured and features comprehensive functions. There is no need for lengthy instructions.

In control of your home

Quickly and easily grant access authorisations and view the event log online at any time. As a result, your home will never be unmonitored again.

AirKey online administration
» Page 28



Smart doors

AirKey cylinders with their trendy design fit in any door. There is no need to drill holes or make structural alterations to the door. Initializing the cylinders can be managed by using a mobile phone.

AirKey cylinders
» Page 42

Providing spare keys

You can immediately delete any access authorisations you granted in the event the mobile phone is lost. Alternative mobile phones can be authorised immediately.

AirKey app
» Page 38

Your sample system » Page 24
Detached properties, holiday homes, flats, club premises, common rooms

AirKey product catalogue | 10/01/2015 | Subject to misprints and technical changes.

AirKey | The four main actors

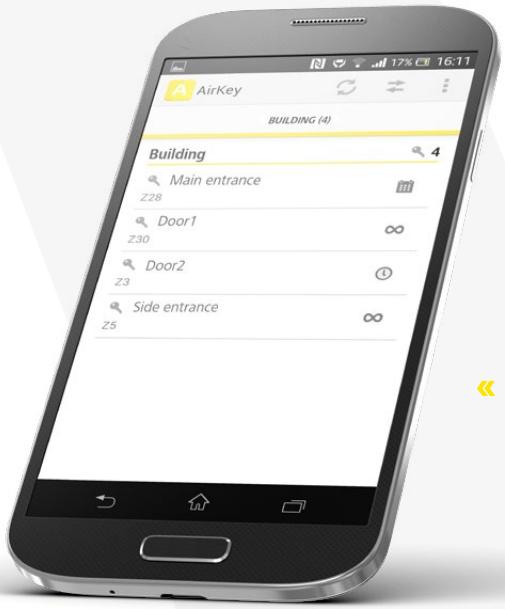
Page 42
AirKey cylinders

The highly secure solution for particularly simple assembly

Page 62
AirKey wall reader

The switching specialist with a glass design for indoor and outdoor application

AirKey product catalogue | 10/01/2015 | Subject to misprints and technical changes.



Page
36
App + phone

« The mobile key – the NFC-compatible mobile phone with AirKey app

Android 4.0.0 or higher

Page
26
Software
KeyCredits

The innovation - only pay for what you need »

System overview | Unrestricted liberty

This is how easy it is
AirKey is an effective and highly innovative electronic locking system. Here, the Internet and existing mobile phone networks are used to send access authorisations across any distance.

All this is made possible using an NFC compatible mobile phone – because with AirKey the mobile is the key. This allows to lock any AirKey locking component using a mobile phone. The mobile phone additionally forwards all the information from the door to the online administration to keep the entire system up to date.

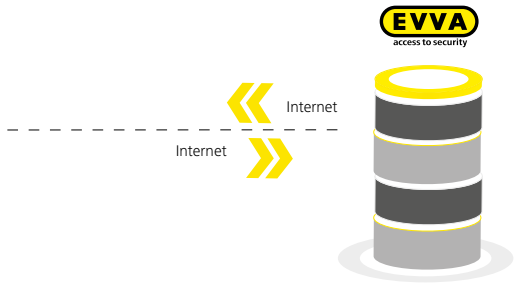
Additional identification media
Other identification media, such as cards or key tags can also be programmed using a mobile phone or coding station.

Worldwide data exchange
Mobile phone networks or the Internet are used to exchange security information between mobile phones and the EVVA computer centre across continents.

AirKey cylinder + AirKey wall reader
The cylinders and the wall reader are security products with superior design, suitable for indoor and outdoor application that can be unlocked with an authorised smartphone or identification medium. They save up to 1,000 events and are able to transfer this information to the online administration via the smartphone.

NFC-compatible mobile phone
Use the installed AirKey app to receive access authorisations and turn your mobile phone into an electronic key. During the locking process, AirKey cylinder status data is temporarily saved in the app and transferred to the online administration upon the next contact.

AirKey product catalogue | 10/01/2015 | Subject to misprints and technical changes.

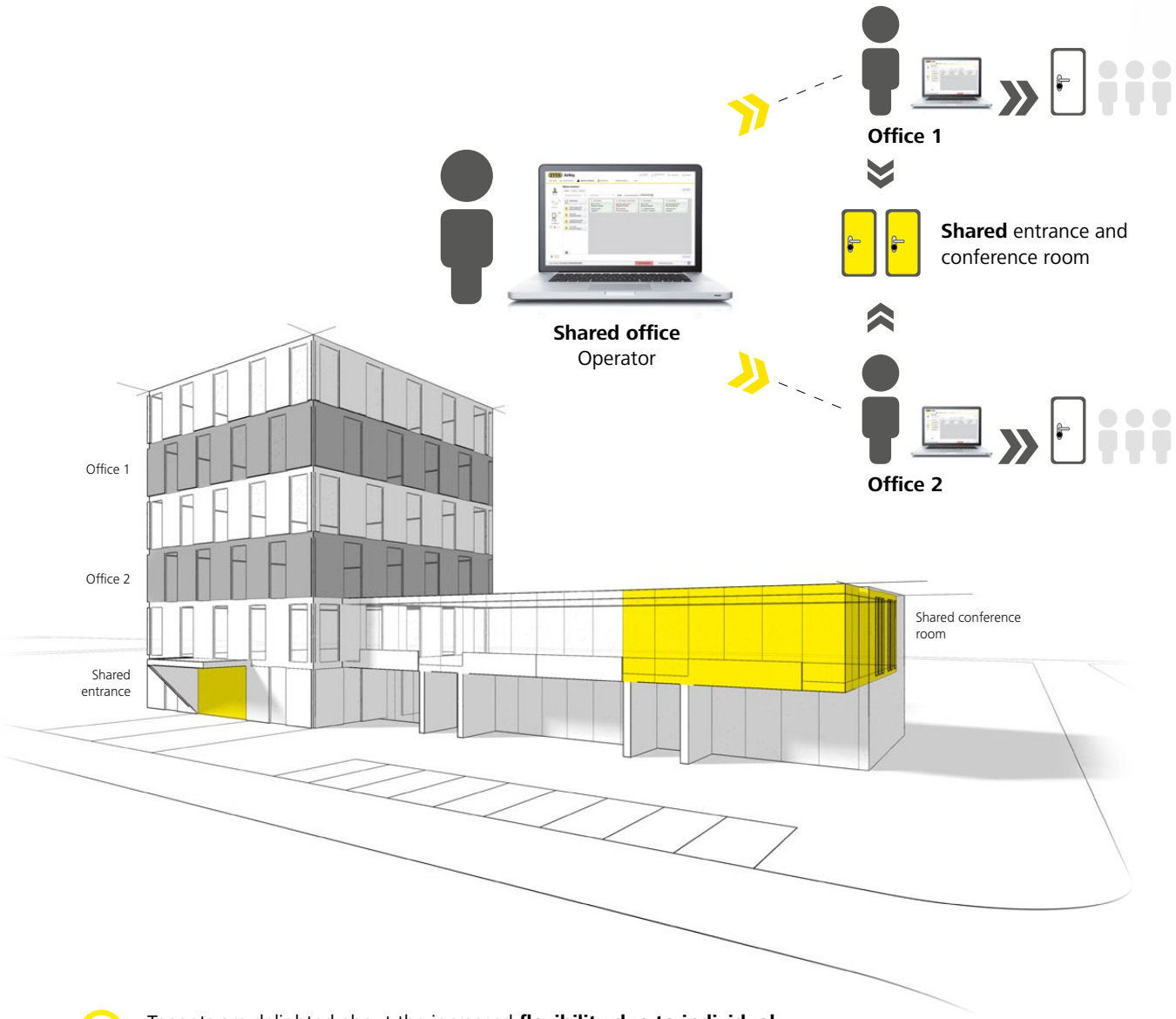


EVVA server
With AirKey requires no individual IT infrastructure. The EVVA server guarantees the highest degree of security and data availability.

AirKey online administration
It allows you to grant access authorisations to unlock AirKey locking components and many more features. All you need is a computer or notebook with an installed browser, an Internet connection and sufficient KeyCredits.

System overview | Component sharing

AirKey is the first system to offer property owners or property management companies the option to outsource the management of parts of their locking system to business or residential tenants. This type of locking system sharing brings numerous benefits for everyone involved.

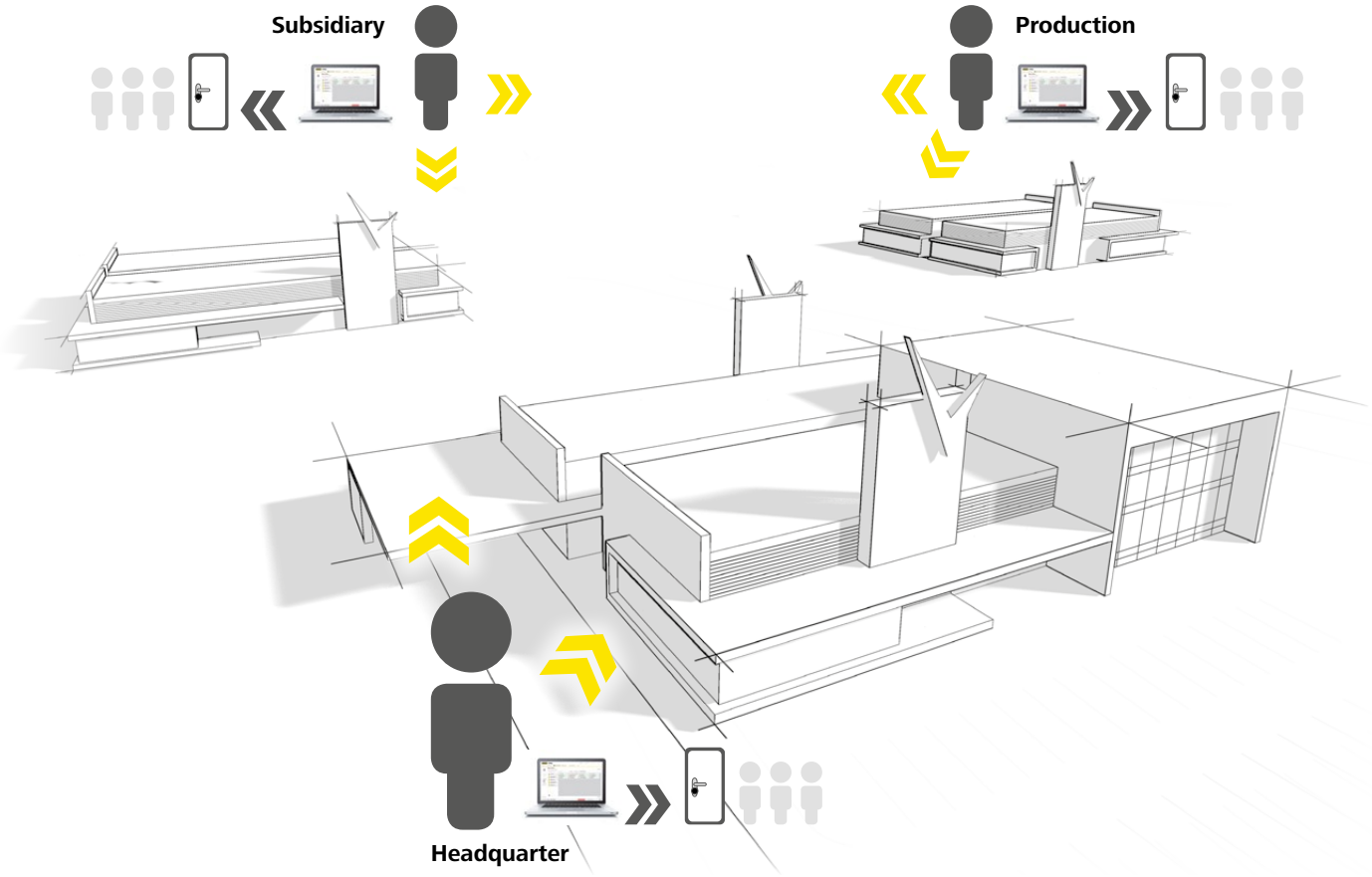


- Tenants are delighted about the increased **flexibility due to individual authorisations** and can create individual authorisation structures.
- The **authorisation** can be adapted precisely to the **duration of the tenancy** and can be revoked at any time.
- Landlords remain in full **control of their locking components** and their states (e.g. battery status, access).
- The **data protection settings** for event logging can be individually adjusted for each component, both by owners and tenants.
- Tenants can choose their **matching KeyCredit licence model.**

AirKey product catalogue | 10/01/2015 | Subject to misprints and technical changes.

System overview | Multi-administration

AirKey allows a simple management of companies with distributed sites and complex personnel structures. AirKey's multi-administrator feature allows the determination of multiple administrators that can not only manage their own sites, but also the entire locking system across all sites of the company.



- More flexibility thanks to an **individual management of independent company units.** This saves management costs.
- **Authorisations** are **granted locally**, multi-administrators can manage all company sites.
- Remain in control of multi-administrators' actions.
- Anonymity and the saving of personal access event logs can be adjusted as per **national data protection guidelines.**
- Free software and **appealing KeyCredit flat rates.**

System overview | Seamless security

Privacy by design
AirKey provides solutions to technically safeguard compliance with data protection guidelines. The technically sophisticated design applies cutting edge security mechanisms and ensures seamless security at all stations in the background.

Here are the most important security characteristics:

Secure data transport
All transferred data is secured as end-to-end data, as per the cutting edge encryption standards.

As a result, it offers decryption protection from EVVA servers to the AirKey locking component.

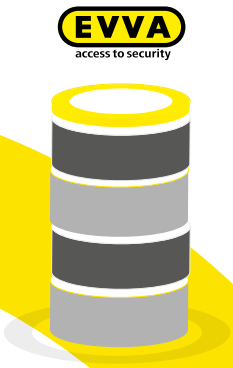
Secure AirKey identification media
AirKey exclusively uses highly secure NFC smart cards.

Security at AirKey locking components
Thanks to the use of certified secure elements – highly secure memory elements which are actively encrypted and decrypted – AirKey sets new security benchmarks for locking components and identification media for electronic locking systems.

Access authorisations on compromised mobile phones or identification media that are in circulation can be deactivated by updating the blacklist.

An event log for the last 1,000 access events ensures seamless transparency.

The AirKey cylinder is equipped with drilling protection, plug pulling protection, rotary damper and rated break point on the outside thumb turn.



Data saved securely
Data on the EVVA server is secure and protected from external access.

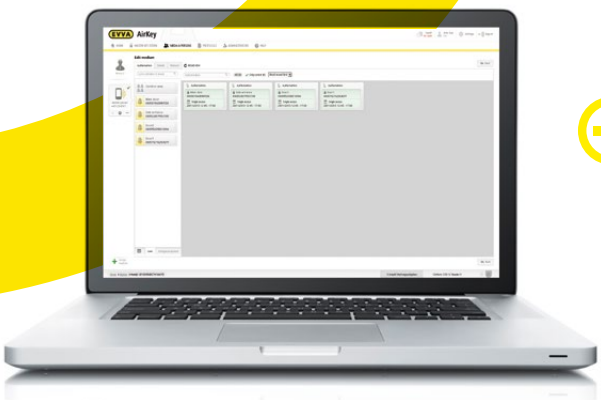
The online administration is operated from a redundant EVVA server with a high level of availability.

Automated data backups in Austria.

Security on mobile phones
The AirKey app can be secured with a PIN code.

Added security with the activation of memory locks on mobile phones.

If you lose your phone, the online administration allows to immediately delete access authorisations using an Internet browser.



Secure data management
The data exchange between your Internet browser and the EVVA server is implemented using a secure, protected https connection, a technology also used in online banking.

System overview | AirKey layout

AirKey locking components easily match any requirements for access solutions thanks to their versatile characteristics and numerous versions.

The vast number of organisational options, the fact that no expensive IT infrastructure is required and the easy assembly allow to quickly and simply install AirKey.

AirKey locking components
The most important characteristics of AirKey cylinders and AirKey wall readers:

	AirKey cylinder	AirKey wall reader
Suitable for indoor and outdoor use	●	●
Suitable for security areas	●	●
Most convenient operation		●
No cabling required for the installation	●	
Battery-operated	●	

● Perfectly suited

» **Page 42**
Please take note of the countless versions and the wide range of accessories that enable even more applications.

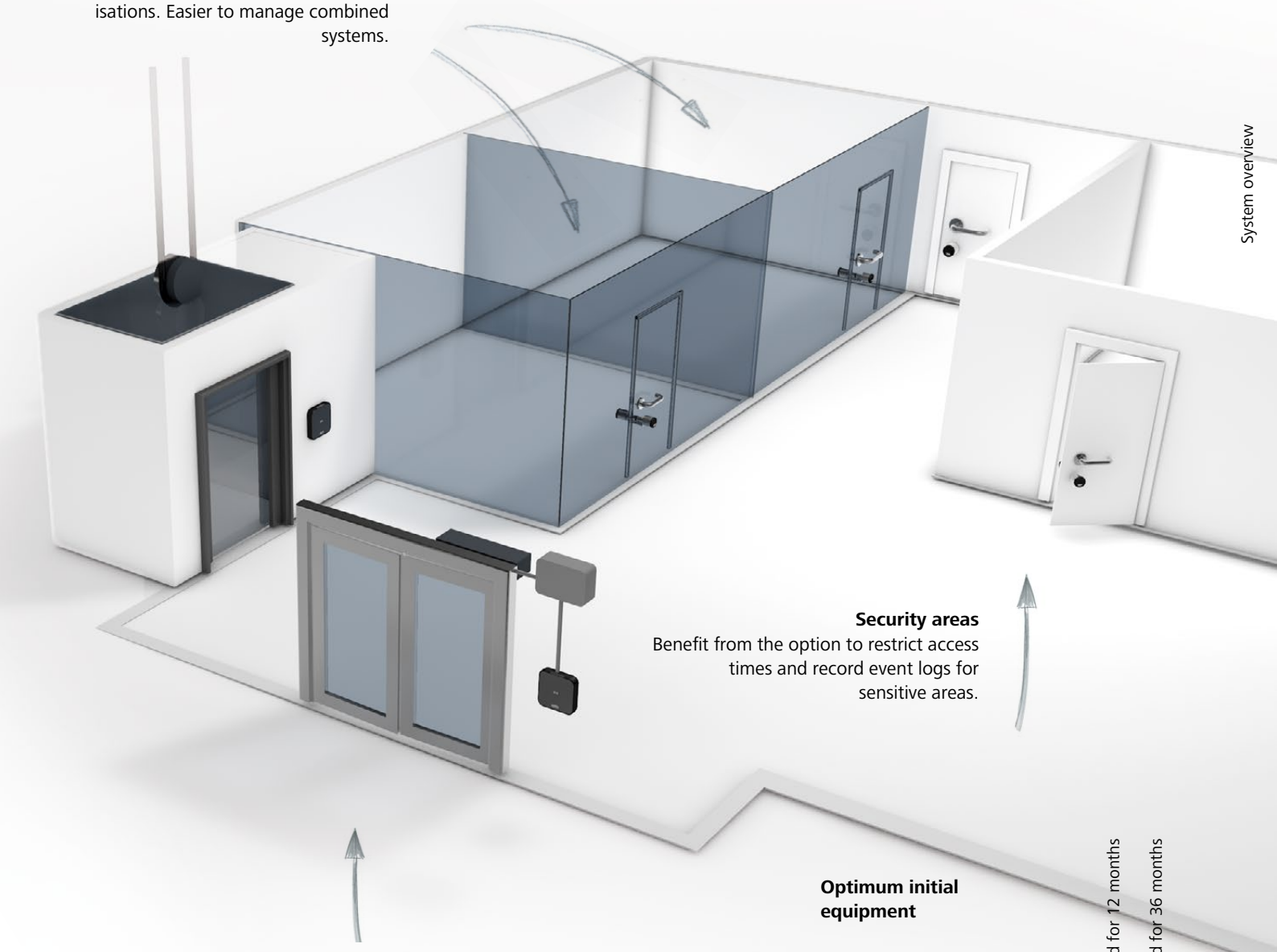
Various sites
The options of assigning authorisations from anywhere in the world make AirKey ideal for use across various sites.

AirKey app
The AirKey app saves access authorisations of different systems. It is also a coding station for further identification media and transfers the information stored in the cylinder to the online administration.

Inside access
AirKey is also effective on the inside, e.g. in buildings with shared utilisation (shared office).

The AirKey authorisation function allows to share administration authorisations. Easier to manage combined systems.

Side entrances
Send access authorisations to suppliers or maintenance service providers.



Security areas
Benefit from the option to restrict access times and record event logs for sensitive areas.

Main entrances
AirKey wall readers are perfectly suitable for securing outdoor areas.

Optimum initial equipment

	KeyCredits 10	KeyCredits 50	KeyCredits 100	KeyCredits Unlimited for 12 months	KeyCredits Unlimited for 36 months
1-9 persons	○	●			
10-49 persons		○	●		
50-100 persons			○	●	●
> 100 persons				●	●

● Frequent changes to access authorisations
● Infrequent changes to access authorisations

These values are guide values. Visit your specialist security retailer to obtain advice on EVVA KeyCredits.

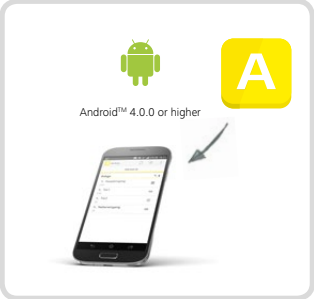
KeyCredits
KeyCredits are used to assign access authorisations. Merely one KeyCredit is necessary to create or change an identification medium with any number of access authorisations.

» **Page 31, 34**

System overview | Processes

Installing software and components

Installing locking components
AirKey cylinder installation, e.g. in doors; AirKey wall reader installation, e.g. for sliding doors.

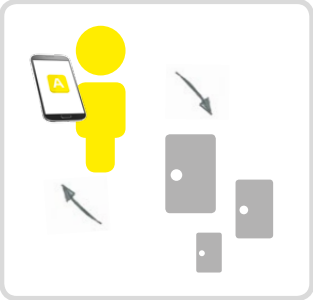


App download
Simply download the free AirKey app.

Registration
Use your browser to register to the AirKey online administration and create a new locking system.

Creating and setting up authorisations

Entering changes
Use the online administration to change authorisations and settings.



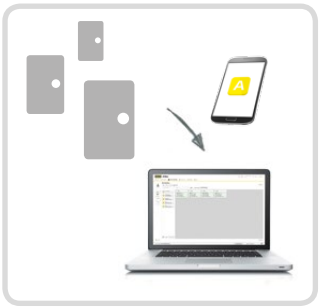
Creating access authorisations
Simply drag-and-drop access components to the mobile phone or identification media to create access authorisations.

Creating identification media
Simply transfer access authorisations to mobile phones or create identification media.

AirKey product catalogue | 10/01/2015 | Subject to misprints and technical changes.

Set up the locking system

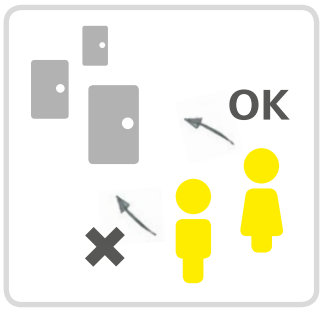
Registering mobile phones
Register all NFC-compatible mobile phones that are to be authorised to access the system.



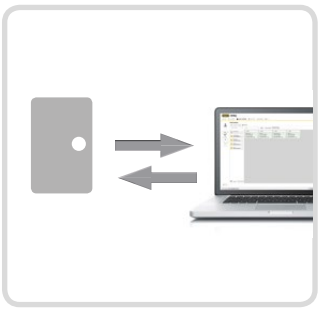
New locking components
All locking components within the locking system are added using an NFC-compatible mobile phone in maintenance mode.

Redeeming KeyCredits
Simply enter one or several KeyCredit codes in the online administration.

System administration | Reading out information



Blocking
The access event and the battery level of the identification media are temporarily saved and transferred to the online administration upon the next contact.



Updates
In this process, each app user can update system information between cylinders and online administration.

Who accessed what and where?
Access events and door information is available at any time, such as the number of times the lock has been opened, user access events, times, battery status.

AirKey product catalogue | 10/01/2015 | Subject to misprints and technical changes.

AirKey app + online administration

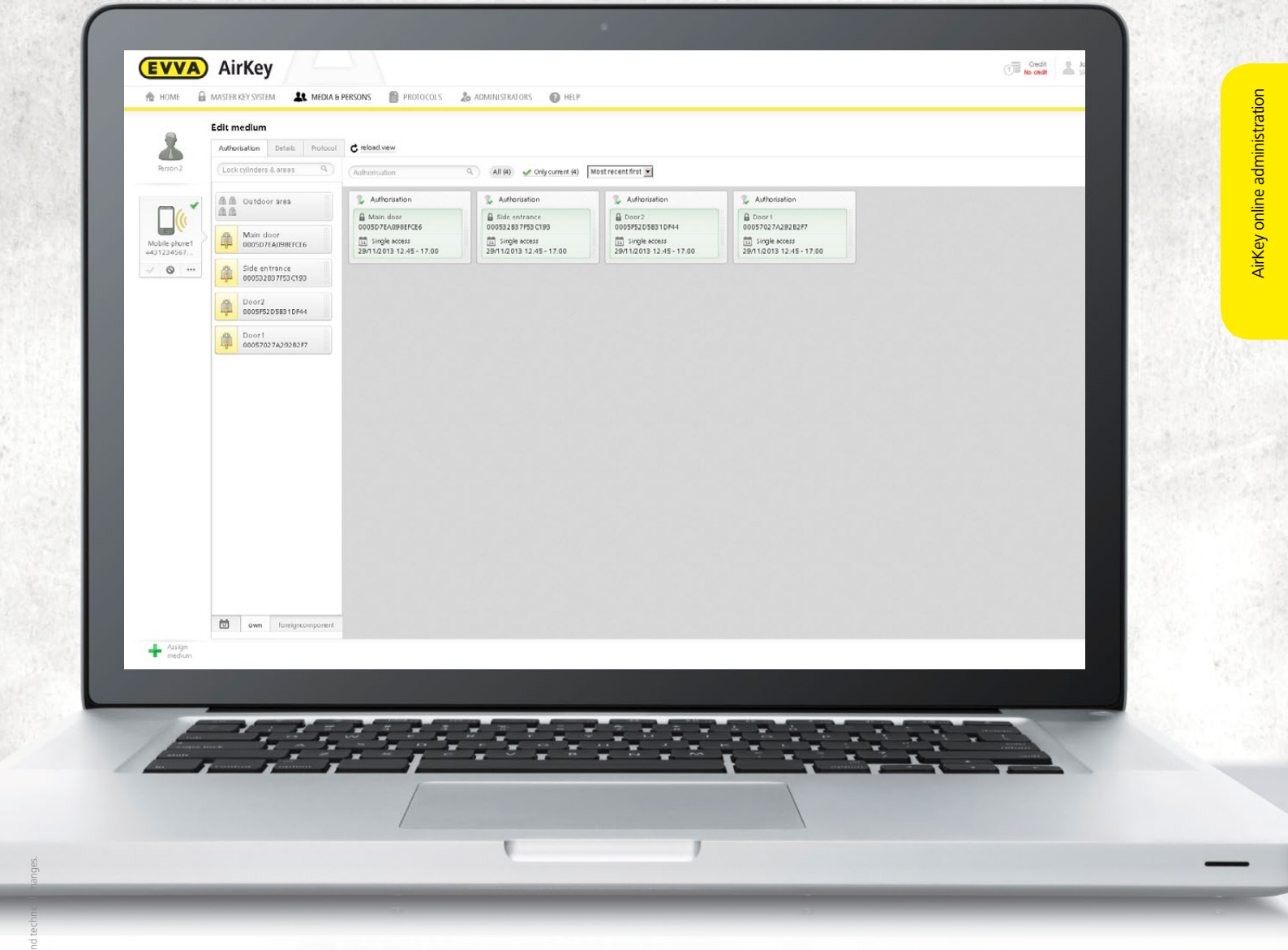
》Simple and secure – no need for additional infrastructure《

A

AirKey online administration

The revolutionary AirKey security concept manages security settings using a browser to send access authorisations to mobile keys, such as NFC-compatible mobile phones. In this process, changes to access authorisations and system information are processed using a secure, encrypted Internet connection.

You require no additional software – your data is saved securely by EVVA. Benefit from the security and performance of the EVVA server and its maximum availability IT infrastructure.


EVVA AirKey
HOME
MASTER KEY SYSTEM
MEDIA & PERSONS
PROTOCOLS
ADMINISTRATORS
HELP
Edit medium
Authorisation
Details
Protocol
reload view
Person 2
Lock cylinders & areas
Outdoor area
Main door
0005D7EA09BEFCE6
Side entrance
000532B37F53C193
Door2
0005F52D5B31DF44
Door1
00057027A292B2F7
Mobile phone1
Assign medium
own
foreigncomponent

AirKey online administration | Benefits

System and design

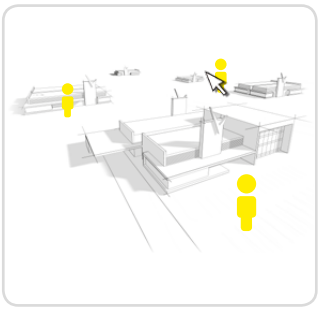
AirKey innovations are not just restricted to their revolutionary security concept. The simple operation and online administration are also very innovative.

Functions

AirKey offers all the important functions of an effective access control system:

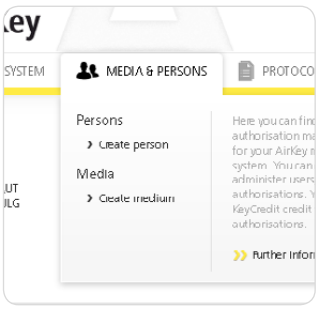
- Door management
- User management
- Creating door areas
- Event log

Drag and drop
Never before has electronic access control been this easy. Conveniently grant authorisations using the drag-and-drop method.



Multi-administration
Distributed company locations can be managed separately by several administrators.

Cross-platform compatibility
AirKey is browser-neutral, it runs on different operating systems and is available in ten languages



Mega menus
You will immediately feel familiar with the clearly arranged menu structure.

KeyCredits

The revolutionary EVVA KeyCredits ensure you only pay what you actually need.

› **KeyCredits 10, 50, 100**
For systems with just a few users and/or infrequent changes to access authorisations, we offer KeyCredits 10, 50 or 100. New and further KeyCredits can simply be added whenever you need them.

› **KeyCredit Unlimited**
KeyCredit Unlimited offers systems with more than 50 users and frequent changes unlimited access authorisation changes for a period of 1 or 3 years.

You can switch from KeyCredits 10, 50, 100 to KeyCredit Unlimited at all times. Any unused credits remain valid.

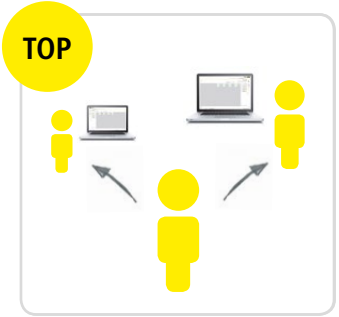
This is how it works:
Merely one KeyCredit is required to create and change access authorisations. As a rule, deleting access authorisations is free of charge.

Buying KeyCredits
KeyCredits are exclusively available from your EVVA-Partner. The purchased credits are uploaded to the AirKey online administration.

Creating access authorisations
Easily set up access authorisations for a mobile phone in the AirKey online administration.
For instance: Person 1 is authorised to enter and exit door 1 and door 2 at certain times.

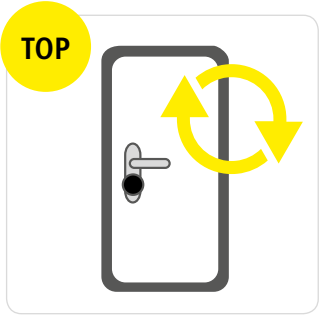
Debiting a KeyCredit
A KeyCredit is debited for the creation or change of access authorisations. The authorisations are directly sent to the mobile phone or the identification medium upon the next update.

Automatic backup
EVVA guarantees data security and backups on redundant EVVA servers.



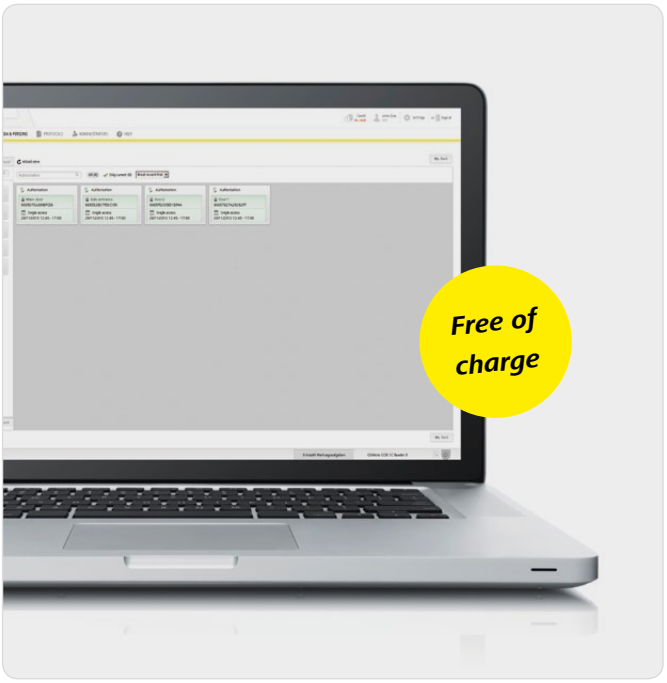
Component sharing
Share your locking components with other users (shared office).

Privacy by design
The technically sophisticated design uses cutting-edge security mechanisms to securely encrypt all data.



Doors up-to-date
The clear dashboard in the online administration lists all maintenance tasks.

AirKey online administration | Technical description



Important links:

AirKey login +
AirKey registration
https://airkey.evva.com

Tutorial
http://video.evva.com/
tutorials/airkey/software

Compatible Internet browsers

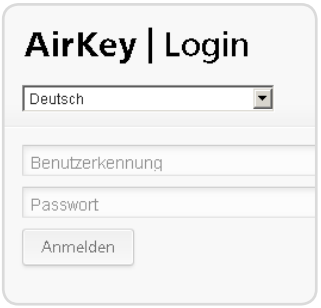
The AirKey access authorisation system is compatible with all conventional Internet browsers as well as operating systems and requires no software installation or special IT infrastructure.

AirKey online administration is operated from the secure, maximum availability EVVA server in Austria.

Registration process

Registration
Register on the AirKey registration page.

Confirmation
You will receive a confirmation e-mail to complete the registration process.



Login
You can now log in, create and manage your system.

System requirements

Supported browsers	Internet Explorer IE 9+ | Firefox 6+ | Chrome 14+ | Safari 6+
Operating systems	All common operating systems: Windows XP (or higher), MacOS 10.6 (or higher), Linux
Internet interface	At minimum 768 kBit/s
Identification media	At minimum 1 NFC-compatible mobile phone with Android™ 4.0.0 (or higher) | Optional AirKey card identification medium | Optional AirKey key tag identification medium | Combi key
Optional	Coding station requirements (system suitability depends on drivers): Oracle Java browser plugin (7 or higher) | Internet port 7070 available for airkey.evva.com

Performance features

Media and person management	Assign persons to different media | Transfer authorisation profiles | Deactivate media (blacklist) | Add and remove media with online administration and the NFC-compatible mobile phones or the coding station
Maintenance functions	Special maintenance mode for service technicians' mobile phones | Individual prioritisation of maintenance tasks in the online administration: Battery level and warnings, blacklist status, time, etc. | Displays maintenance tasks in the online administration and the app | Maintenance tasks can be exported to PDF lists | Add and remove locking components and identification media | Replace thumb turns or cylinders without having to change authorisations
Locking components	"Construction" or "System" mode | Allows to define areas consisting of several components | Configure individual time zones for each cylinder | Time automatically set to summer or winter time | Locking components can be shared for administration with other administrators
Authorisations	Authorisation administration featuring drag-and-drop | Permanent access with and without an expiry date | Periodic access | Single access | Individual access: combine up to 8 permanent, periodic and single access patterns
Event log	Locking components and area event log | Event log at media and personal level | Tamper-proof system event log | Individual event log settings for media and locking components (on/off/restricted) | Define automatic expiry dates for event log entries
Language	Available languages: CZ, DE, EN, ES, FR, IT, NL, PL, PT, SK

Multi-administration

Component sharing

Doors up-to-date

Cross-platform compatibility

Privacy by design

Automatic backup

Drag and drop

Mega menus

Links

Login + registration	https://airkey.evva.com
System manual	www.evva.at/airkey/en Print version on request
Tutorial	http://video.evva.com/tutorials/airkey/software

AirKey product catalogue | 10/01/2015 | Subject to misprints and technical changes.

Software | KeyCredits

Perfect for small and medium-sized companies

KeyCredits 10, 50, 100

KeyCredits 10/50/100 are the customised solution for small and medium-sized companies. Particularly if you change authorisations only in rare cases or only a few people access your facilities.

You benefit from all the features of a comprehensive access software and thanks to the free AirKey software, you only pay what you actually need. Merely one KeyCredit is necessary to create or change an identification medium with any number of access authorisations.

Switch to KeyCredit Unlimited anytime. It goes without saying that individual, unused credits remain valid and can be used once KeyCredit Unlimited has expired.

KeyCredits 10
Create or change an identification medium with any number of access authorisations ten times.

Recommended use	1-9 persons Few changes to authorisations
Product code	E.ZU.LM.KC010

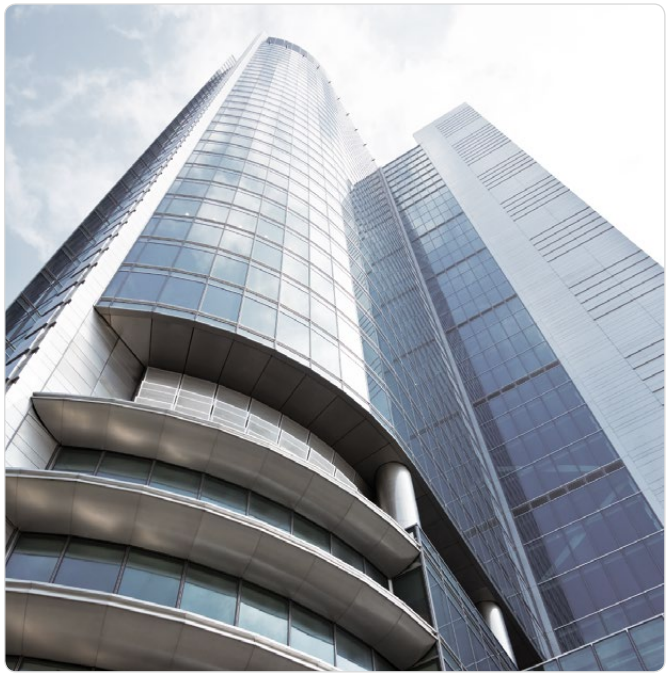
KeyCredits 50
Create or change an identification medium with any number of access authorisations fifty times.

Recommended use	1-9 persons Frequent changes to authorisations
	10-49 persons Few changes to authorisations
Product code	E.ZU.LM.KC050

KeyCredits 100
Create or change an identification medium with any number of access authorisations one hundred times.

Recommended use	10-49 persons Frequent changes to authorisations
	50-100 persons Few changes to authorisations
Product code	E.ZU.LM.KC100

AirKey product catalogue | 10/01/2015 | Subject to misprints and technical changes.



Perfect for large and medium-sized companies

KeyCredit Unlimited

KeyCredits Unlimited for 12 or 36 months are the customised solution for medium-sized and large companies.

No high initial investment costs for the software and, in contrast to KeyCredits 10/50/100, any number of changes to authorisations are included in this variant.

It goes without saying that you can optionally switch to 10/50/100 after 12 or 36 months.

Unlimited KeyCredits for 12 months
Unlimited creation of and changes to identification media with any number of access authorisations for a duration of 12 months

Recommended use	Over 50 persons for a duration of 12 months Frequent changes to access authorisations
	Over 100 persons for a duration of 12 months
Product code	E.ZU.LM.KC12M

Unlimited KeyCredits for 36 months
Unlimited creation of and changes to identification media with any number of access authorisations for a duration of 36 months

Recommended use	Over 50 persons for a duration of 36 months Frequent changes to access authorisations
	Over 100 persons for a duration of 36 months
Product code	E.ZU.LM.KC36M

System accessories | Identification media and additional accessories

AirKey EVVA Card – card in EVVA design
To operate AirKey doors

Chip	NXP J3A081 JCOP
Sales unit	M5 – 5 units | M25 – 25 units | M100 – 100 units
Product code	E.A.IM.KA.J80K.V1.[sales unit]

AirKey Partner-Card – cards in neutral design
To operate AirKey doors

Chip	NXP J3A081 JCOP
Sales unit	M5 – 5 units | M25 – 25 units | M100 – 100 units
Product code	E.A.IM.KA.J80K.V2.[sales unit]

AirKey key tag
To operate AirKey doors

Chip	NXP J3A081 JCOP
Sales unit	M5 – 5 units | M25 – 25 units | M100 – 100 units
Product code	E.A.IM.SH.J80K.V1.[sales unit]

AirKey Combi key
Identification medium combined with a key to operate AirKey access components

Chip	NXP J3A081 JCOP
Keys	In MCS, 3KSplus, ICS, EPS, DPI-M systems
Product code	See mechanical solutions product catalogue

AirKey Combi key with elongated neck
Identification medium combined with a key to operate AirKey access components

Chip	NXP J3A081 JCOP
Keys	In mechanical MCS, 3KSplus, ICS, EPS, DPI-M systems
Product code	See mechanical solutions product catalogue

AirKey product catalogue | 10/01/2015 | Subject to misprints and technical changes.

Exemplary illustration

Coding station

Just like your NFC-compatible mobile phone, this optional coding station can create and manage identification media (cards, key tags). AirKey cylinders can also be directly added to or updated in the online administration using the coding station. Please note the system requirements and availability of the Oracle Java browser plugin to be able to use the coding station.

Product code	E.ZU.CS.V1

Emergency power device

If batteries are not replaced in due time despite the warnings in the AirKey cylinder, you require an emergency power device to operate AirKey cylinders.

Product code	E.ZU.NG.V1

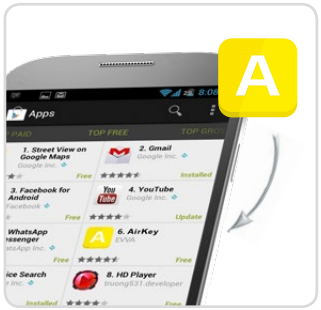
AirKey app | Benefits

System and design

AirKey online administration is complemented by the AirKey app.

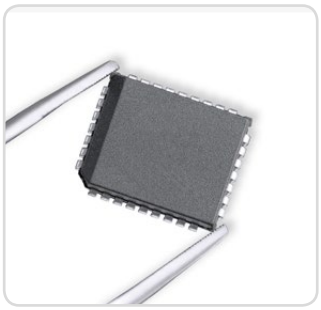
It saves access authorisations to consequently turn your mobile phone into an electronic key.

Smartphone is the key ring
Operate several systems using merely one NFC-compatible smartphone.



Free download
The AirKey app is available free of charge from the Google Play store.

Smartphone is the key
Create and update additional identification media on your smartphone using the AirKey app.



Secure element
The smartphone's secure element and the AirKey locking components securely protect your data.

Functions

- Save access authorisations
- Save access patterns in an event log

End-to-end encryption
Data is absolutely protected from decryption, from EVVA servers to AirKey locking components.

Contactless operation
Simply hold the smartphone to the locking component for contactless opening of the door.

Protected by PIN
The AirKey app may optionally also be secured with a PIN code.

Very simple maintenance
Assign maintenance authorisations to any smartphone.

AirKey app | Technical description

Installation

QR to access the Play store with AirKey app for Android™ mobile phones: https://play.google.com

Compatibility

NFC

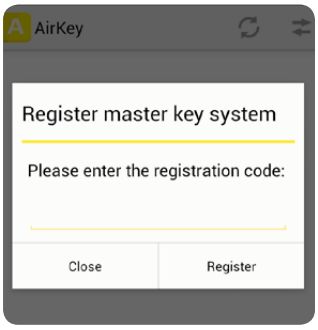
Android 4.0.0 or higher

The AirKey app operates in conjunction with the AirKey online administration. It saves access authorisations to consequently turn your mobile phone into an electronic key.

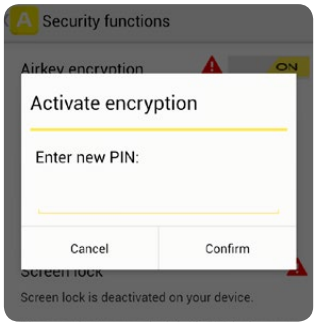
The AirKey app also updates AirKey locking components and AirKey identification media using the AirKey online administration.

Installation process

Download the AirKey app
Simply download the AirKey app to your mobile phone.



Mobile phone registration
Simply enter the registration code of the AirKey online administration in the app.



Protected by PIN
The AirKey app may optionally also be secured with a PIN code.

Performance features

Version	AirKey app
Size	Approximately 5 MB
Authorisation memory	For individual doors | For several doors | For several systems
Operating modes	Standard | Maintenance mode
Standard functions	Displays available authorisations | Automatically updates or deletes authorisations | Detailed view of authorisations | Event log of access patterns | Updates AirKey cylinders and AirKey identification media using AirKey online administration
Maintenance functions	Add and remove AirKey cylinders and AirKey identification media to the locking system | Automatically displays maintenance tasks
Security features	PIN code (can be configured individually)

Contactless operation

Smartphone is the key ring

Protected by PIN

Smartphone is the key

Secure element

End-to-end encryption

Free download

Very simple maintenance

Links

AirKey app	https://play.google.com
Compatible smartphones	www.evva.at/airkey/en

A

AirKey cylinder

The AirKey cylinder is a high security product with superior design, suitable for indoor and outdoor areas. The system allows you to open doors using your NFC-compatible mobile phone or any identification media of your choice.

The high-quality AirKey cylinder offers security features, such as plug pulling and drilling protection, a rotary damper and an integrated secure element for secure data storage.

The modular design of the AirKey cylinder is also unique.
It enables elongation adjustments on site and simplifies planning.

AirKey product catalogue | 10/01/2015 | Subject to misprints and technical changes.

AirKey cylinder

》The secure access soution which can be unlocked with a mobile phone《

AirKey cylinder | Benefits

Design

Signals
With red, green and blue, AirKey cylinders indicate the following: access granted, denied or NFC connection.

Various finishes
The available, metal finishes for AirKey cylinders include nickel, polished nickel or polished brass.

Ideally coordinated
The mechanical, inside thumb-turn is of a high quality and perfectly suitable for the overall design.

Additional benefits
- Elegant design, matches any escutcheon.

Function

Access control on both sides
Vital for areas that also require access control for persons leaving the facility.

Half cylinder version
The AirKey half cylinder fits in any key switch and it is therefore also suitable for garages.

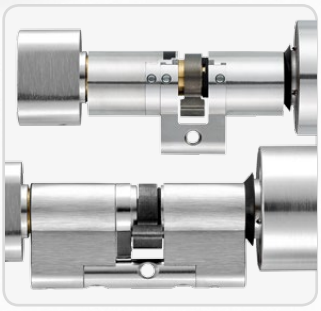
Additional benefits
- Suitable for external emergency power supply
- The event log saves the last 1,000 events
- With blacklist function
- Particularly long battery life

AirKey product catalogue | 10/01/2015 | Subject to misprints and technical changes.

Technology

Additional benefits
- Suitable for use outdoors
- Matches all conventional locks
- Also suitable for multi-point locks
- Operates with commercially available CR2 batteries
- 90 min fire protection
- AES encryption

Drilling and plug pulling protection:
AirKey cylinders are of a high, mechanical quality and equipped with drilling and plug pulling protection.



Modular design
The modular AirKey cylinder design enables subsequent elongation adaptations to simplify warehousing and add flexibility during assembly.

Anti-panic function
AirKey cylinders with their patented cam rollback function are suitable for all conventional emergency exit and panic locks as per EN 179 + EN 1125.

Assembly

Additional benefits
- Easy assembly
- Suitable for any conventional door leaf thickness
- Supported by assembly videos and manuals

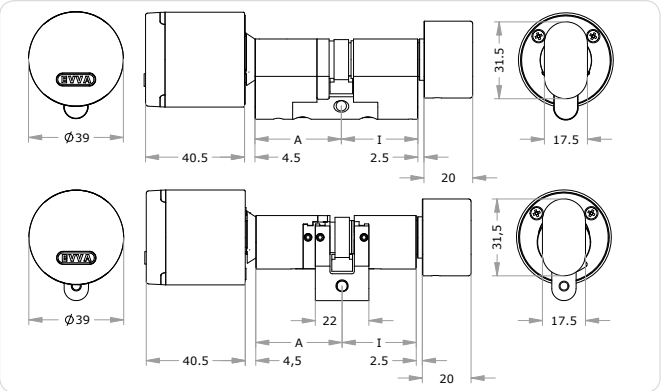
Assemble outside thumb turn
Insert the batteries into the outside thumb turn and assemble it on the cylinder body using the AirKey cylinder assembly tool.

Secure the cylinder
Secure AirKey cylinders to the lock using cylinder fixing screws.

Position inside thumb turn
Assemble inside thumb turn.

QR codes with assembly videos available!

AirKey cylinder | One-sided access



Assembly

QR code with assembly video

Standards and guidelines

CE · 30 min · 90 min · IP65 · EN 15684 · EN 179 · EN 1125 · SKG[1] Option · VdS[1, 2] Option

AirKey cylinders with one-sided access are the ideal solution for doors with maximum security requirements on the inside and outside, featuring external access control. The mechanical thumb turn guarantees a way out from the inside at any time.

For instance, the cylinders are suitable for full-leaf doors and metal frame doors. AirKey cylinders are also suitable for existing doors in listed monuments as there is no need for drilling.

Assembly tip
Assembly requires the special assembly tool
» **Page 60**

Application examples

External doors on buildings
AirKey cylinders are perfectly suitable to secure the main, side or back entrances of buildings.

Maximum security
AirKey cylinders are particularly suitable for areas where security is paramount, such as server rooms.

Ideal for listed monuments
Ideally suitable for historically significant doors in which merely the cylinders can be replaced for reasons of monumental conservation.

Escape doors as per EN 179[1]
Perfectly suitable for escape doors of all kinds with patented cam rollback function.

AirKey product catalogue | 10/01/2015 | Subject to misprints and technical changes.

Technical information

Profile	KZ-S – European profile | RKZ-S – Swiss round profile
Cylinder length on the outside A in mm	31 | 36 | 41 | 46 | + 5 mm ... Standard: A + I ≤ 92 mm, special lenghts: A + I ≥ 97 mm
Cylinder length on the inside I in mm	K27 | K31 | K36 | K41 | K46 | + 5 mm ... Standard: A + I ≤ 92 mm, special lenghts: A + I ≥ 97 mm
Finish	NI – nickel | NP – polished nickel | MP – polished brass
Thumb turn shape	X1K – Inside thumb turn, mechanical (standard) BLIND[1] – blind module | ATA[1] – adaptable thumb turn axis
Technical installation situation	FZG[1] – free-wheel function (from 31/K31 to 81/K81) | FAP[1] – anti-panic function (from 31/K31 to 81/K81) | FLU[1] – irrespective of installation position
Elongated outside turn sleeve	AV05 – 5 mm | AV10 – 10 mm | AV15 – 15 mm
Cam	SEP – European profile | SRP – Swiss round profile | BIF – Biffar Z10 – Cogwheel 10 | Z18 – Cogwheel 18
Additional certificate	SKG[1] – SKG*** | VDS[1, 2] – VdS***
Security features	Free rotating outside thumb turn to prevent manipulations | Rotary damper[1] | Rated brake point on the outside thumbturn | Engages only if authorised | Event log | Drilling protection | Plug pulling protection | Integrated EAL5+ certified secure element | ECDSA and AES encryption
Standards and guidelines	CE tested | EN 1634: 30 minutes | EN 1634: 90 minutes | IP65 rating | EN 15684: 1.6.B.3.A.F.3.2 | Suitable for locks as per EN 179/1125 (when using the anti-panic function (FAP)) [1] | SKG*** [1] | VdS*** [1, 2]
Technical installation situation	Inside and outside doors with maximum security requirements and subject to severe weather conditions. Suitable for installation in fire doors.
Compatible identification technologies	NFC smart cards as card identification media and key tag identification media | NFC-compatible mobile phones, Android™ > 4.0.0
Battery	2 CR2 lithium batteries | Up to 30,000 cycles
Signals	Optical + acoustic
Conditions of use	Ambient temperature –20 °C to +55 °C (depending on the battery) | Humidity < 90 %, non-condensing | For 100,000 cycles as per EN 15684[1] | Min. backset 35 mm | IP65 rating
Event log	Last 1,000 events
Interfaces	NFC | Connection to an emergency power device
Scope of supply	AirKey cylinder | Cylinder fastening screw | 2 CR2 lithium batteries | Assembly manual | Important information

Versions

Profile

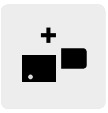
Cylinder length

Finish

Options

Thumb turn shape

Technical installation situation



Elongated outside turn sleeve

Cam

Additional certificate

Accessories

Versions and options
see » **Page 56**
Accessories see » **Page 60**

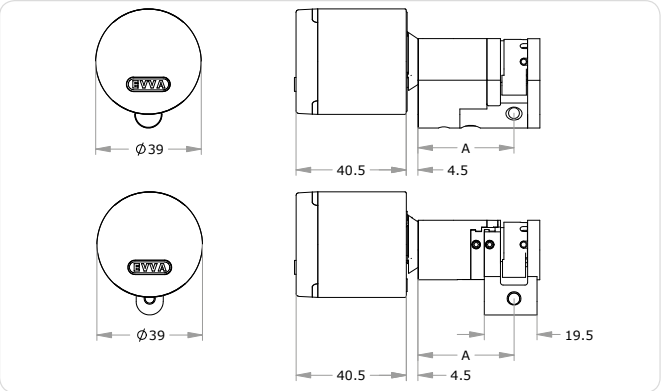
Ordering

Product code	E.A.PZ.[Profile shape].[Outside cylinder length A/inside cylinder length I].[Finish].[Option]
Example	E.A.PZ.KZ-S.31/K31.NI

[1] For European profile only. | [2] In preparation.

AirKey product catalogue | 10/01/2015 | Subject to misprints and technical changes.

AirKey cylinder | Half cylinder



Standards and guidelines

CE · 30 min · 90 min · IP65 · EN 15684 · EN 179 · EN 1125 · SKG[1] Option · VdS[1, 2] Option

AirKey half cylinders are the ideal solution for doors or key switches requiring authorisation checks merely on one side, no cylinder on the inside and maximum security requirements on the inside and outside.

Additionally, AirKey half cylinders are perfectly suitable for existing doors, listed monuments as well as metal frame doors.

Assembly tip
Assembly requires the special assembly tool
» **Page 60**

Application examples

Key-Switches
AirKey half cylinders are also suitable for installation in key-switches. This allows to actuate various systems, e.g. garage doors. (Option FSR function).

Tubular safes
AirKey half cylinders are ideal for installation in tubular safes. (Option FSR function).

Sample illustration

Padlock
AirKey half cylinders with the optional FLU function are suitable for installation in half cylinders

AirKey product catalogue | 10/01/2015 | Subject to misprints and technical changes.

Technical information

Profile	HZ-S – European profile | RHZ-S – Swiss round profile
Cylinder length on the outside A in mm	31 | 36 | 41 | 46 | + 5 mm ... Standard: A ≤ 92 mm, special lenghts: A ≥ 97 mm
Finish	NI – nickel | NP – polished nickel | MP – polished brass
Technical installation situation	FZG[1] – free-wheel function (from 31 to 81) | FAP[1] – anti-panic function (from 61 to 81; from 31 to 57 with install elongation module (I = 31 mm) on request | FLU[1] – irrespective of installation position | FSR[1] – cam latching function (31, 36, 41; from 46 to 111 on request)
Elongated outside turn sleeve	AV05 – 5 mm | AV10 – 10 mm | AV15 – 15 mm
Cam	SEP – European profile | SRP – round profile | BIF – Biffar Z10 – Cogwheel 10 | Z18 – Cogwheel 18
Additional certificate	SKG[1] – SKG*** | VDS[1, 2] – VdS***
Security features	Free rotating outside thumb turn to prevent manipulations | Rotary damper[1] | Rated brake point on the outside thumbturn | Engages only if authorised | Event log | Drilling protection | Plug pulling protection | Integrated EAL5+ certified secure element | ECDSA and AES encryption
Standards and guidelines	CE tested | EN 1634: 30 minutes | EN 1634: 90 minutes | IP65 rating | EN 15684: 1.6.B.3.A.F.3.2 | Suitable for locks as per EN 179/1125 (when using the anti-panic function (FAP)) [1] | SKG*** [1] | VdS*** [1]
Technical installation situation	Inside and outside doors with maximum security requirements and subject to severe weather conditions. Suitable for installation in fire doors.
Compatible identification technologies	NFC smart cards as card identification media and key tag identification media | NFC-compatible mobile phones, Android™ > 4.0.0
Battery	2 CR2 lithium batteries | Up to 30,000 cycles
Signals	Optical + acoustic
Conditions of use	Ambient temperature range: –20°C to +55°C (depending on the battery) | Humidity < 90 %, non-condensing | for 100,000 cycles as per EN 15684[1] | Min. backset 35 mm | IP65 rating
Event log	Last 1,000 events
Interfaces	NFC | Connection to an emergency power device
Scope of supply	AirKey cylinder | Cylinder fastening screw | 2 CR2 lithium batteries | Assembly manual | Important information

Versions

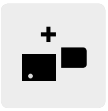
Profile

Cylinder length

Finish

Options

Technical installation situation



Elongated outside turn sleeve

Cam

Additional certificate

Accessories

Versions and options see » **Page 56**
Accessories see » **Page 60**

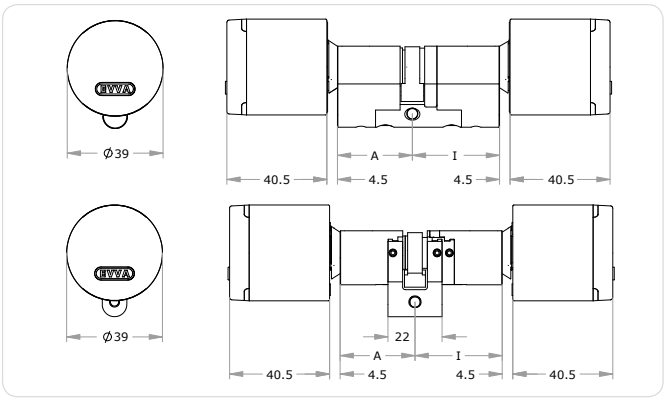
Ordering

Product code	E.A.PZ.[Profile shape].[Outside cylinder length A].[Finish].[Option]
Example	E.A.PZ.HZ-S.31.NI

[1] For European profile only. | [2] In preparation.

AirKey product catalogue | 10/01/2015 | Subject to misprints and technical changes.

AirKey cylinder | Double-sided access



Standards and guidelines

CE · 30 min · 90 min · IP65 · EN 15684 · EN 179 · EN 1125 · SKG Option [1] · VdS Option [1, 2]

AirKey cylinders for double-sided access are the right security product if you require access control on both sides for doors with maximum security requirements on the inside and outside.

AirKey cylinders for access on both sides are also perfectly suitable for existing doors in listed monuments and metal frame doors.

Assembly tip
Assembly requires the special assembly tool
» **Page 60**

Application examples

Doors to restrict areas
AirKey double cylinders are suitable for reciprocally restricting two areas.

Accurate event logs
The access solution on both sides was designed for areas requiring permanent logging of all entry and exit events.

AirKey product catalogue | 10/01/2015 | Subject to misprints and technical changes.

Technical information

Profile	DZ-S – European profile | RDZ-S – Swiss round profile
Cylinder length on the outside A in mm	31 | 36 | 41 | 46 | + 5 mm ... Standard: A + I ≤ 92 mm, special lenghts: A + I ≥ 97 mm For anti-panic function (FAP): A or I ≥ 61 mm
Cylinder length on the inside I in mm	31 | 36 | 41 | 46 | + 5 mm ... Standard: A + I ≤ 92 mm, special lenghts: A + I ≥ 97 mm For anti-panic function (FAP): A or I ≥ 61 mm
Finish	NI – nickel | NP – polished nickel | MP – polished brass
Technical installation situation	FZG[1] – free-wheel function (from 31/31 to 81/81) | FAP[1] – anti-panic function (from 31/61 to 81/81; from 81/86 to 81/111 on request) | FLU[1] – irrespective of installation position
Elongated outside turn sleeve	AV05 – 5 mm | AV10 – 10 mm | AV15 – 15 mm
Locking cam	SEP – European profile | SRP – round profile | BIF – Biffar Z10 – Cogwheel 10 | Z18 – Cogwheel 18
Additional certificate	SKG[1] – SKG*** | VDS[1, 2] – VdS***
Security features	Free rotating outside thumb turn to prevent manipulations | Rotary damper[1] | Rated brake point on the outside thumbturn | Engages only if authorised | Event log | Drilling protection | Plug pulling protection | Integrated EAL5+ certified secure element | ECDSA and AES encryption
Standards and guidelines	CE tested | EN 1634: 30 minutes | EN 1634: 90 minutes | IP65 rating | EN 15684: 1.6.B.3.A.F.3.2 | Suitable for locks as per EN 179/1125 (when using the anti-panic function (FAP)) [1] | SKG*** [1] | VdS*** [1, 2]
Technical installation situation	Inside and outside doors with maximum security requirements and subject to severe weather conditions. Suitable for installation in fire doors.
Compatible identification technologies	NFC smart cards as card identification media and key tag identification media | NFC-compatible mobile phones, Android™ > 4.0.0
Battery	4 CR2 lithium batteries | Up to 30,000 cycles
Signals	Optical + acoustic
Conditions of use	Ambient temperature range: –20°C to +55°C (depending on the battery) | Humidity < 90 %, non-condensing | for 100,000 cycles as per EN 15684[1] | Min. backset 35 mm | IP65 rating
Event log	Last 1,000 events
Interfaces	NFC | Connection to an emergency power device
Scope of supply	AirKey cylinder | Cylinder fastening screw | 4 CR2 lithium batteries | Assembly manual | Important information

Versions

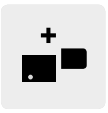
Profile

Cylinder length

Finish

Options

Technical installation situation



Elongated outside turn sleeve

Cam

Additional certificate

Accessories

Versions and options see » **Page 56**
Accessories see » **Page 60**

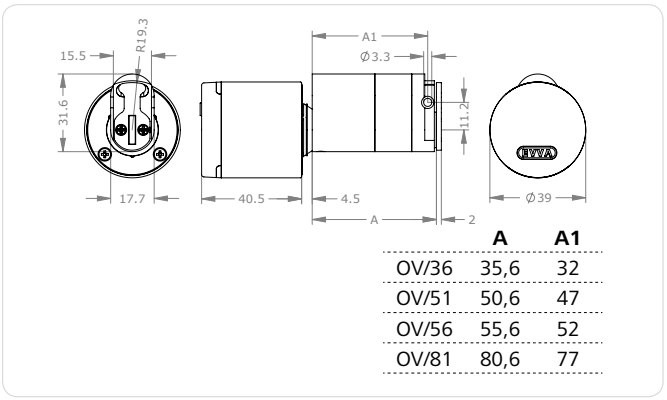
Ordering

Product code	E.A.PZ.[Profile shape].[Outside cylinder length A/inside cylinder length I].[Finish].[Option]
Example	E.A.PZ.DZ-S.31/31.NI

[1] For European profile only. | [2] In preparation.

AirKey product catalogue | 10/01/2015 | Subject to misprints and technical changes.

AirKey cylinder | Australian Oval cylinder



	A	A1
OV/36	35,6	32
OV/51	50,6	47
OV/56	55,6	52
OV/81	80,6	77

Standards and guidelines

IP65

AirKey oval cylinders are the ideal solution for doors or key switches with Australian OV profile as part of which authorisation checks are merely required on one side and maximum indoor and outdoor security is paramount.

Assembly tip
Assembly requires the special assembly tool
» **Page 60**

Application examples

Key-Switches
AirKey half cylinders are also suitable for installation in key-switches. This allows to actuate various systems, e.g. garage doors.

AirKey product catalogue | 10/01/2015 | Subject to misprints and technical changes.

Technical information

Cylinder length on the outside A in mm	36 | 51 | 56 | 81
Finish	NI – nickel | MP – polished brass
Elongated outside turn sleeve	AV05 – 5 mm | AV10 – 10 mm | AV15 – 15 mm
Profile	Australian oval profile
Security features	Free rotating outside thumb turn to prevent manipulations | Rated brake point on the outside thumbturn | Engages only if authorised | Event log | Plug pulling protection | Integrated EAL5+ certified secure element | ECDSA and AES encryption
Standards and guidelines	CE tested | IP65 rating
Technical installation situation	Inside and outside doors with maximum security requirements which are subject to severe weather conditions. Suitable for installation in fire doors. With FZG free-wheel function as standard
Compatible identification technologies	NFC smart cards as card identification media and key tag identification media | NFC-compatible mobile phones, Android™ > 4.0.0
Battery	2 CR2 lithium batteries | Up to 30,000 cycles
Signals	Optical + acoustic
Conditions of use	Ambient temperature range: –20°C to +55°C (depending on the battery) | Humidity < 90 %, non-condensing | for 100,000 cycles | Min. backset 35 mm | IP65 rating
Event log	Last 1,000 events
Interfaces	NFC | Connection to an emergency power device
Scope of supply	AirKey cylinder | Cylinder fastening screw | 2 CR2 lithium batteries | Assembly manual | Important information | cam supplied by reseller

Versions

Cylinder length

Finish

Options

Elongated outside turn sleeve

Accessories

Versions and options
see » **Page 58**
Accessories see » **Page 60**

Ordering

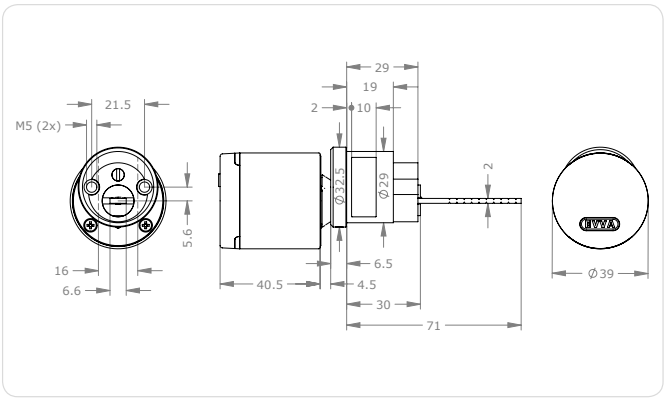
Product code	E.A.PZ.A0-S.OV/[Outside cylinder length A].[Finish].FZG.[Option]
Example	E.A.PZ.A0-S.OV/36.NI.FZG

AirKey cylinder | Australian Rim cylinder (RC1)

Standards and guidelines

IP65

AirKey rim cylinders (RC1) are the ideal solution for doors with Australian auxiliary locks as part of which authorisation checks are merely required on one side and maximum indoor and outdoor security is paramount.



Assembly tip
Assembly requires the special assembly tool
» **Page 60**

Application examples

Key-Switches
AirKey half cylinders are also suitable for installation in key-switches. This allows to actuate various systems, e.g. garage doors.

AirKey product catalogue | 10/01/2015 | Subject to misprints and technical changes.

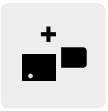
Technical information

Finish	NI – nickel | MP – polished brass
Elongated outside turn sleeve	AV05 – 5 mm | AV10 – 10 mm | AV15 – 15 mm
Profile	Australian RIM profile
Cylinder length on the outside A in mm	Up to 71 mm
Security features	Free rotating outside thumb turn to prevent manipulations | Rated brake point on the outside thumbturn | Engages only if authorised | Event log | Plug pulling protection | Integrated EAL5+ certified secure element | ECDSA and AES encryption
Standards and guidelines	CE tested | IP65 rating
Technical installation situation	Inside and outside doors with maximum security requirements which are subject to severe weather conditions. Suitable for installation in fire doors. With FZG free-wheel function as standard
Compatible identification technologies	NFC smart cards as card identification media and key tag identification media | NFC-compatible mobile phones, Android™ > 4.0.0
Battery	2 CR2 lithium batteries | Up to 30,000 cycles
Signals	Optical + acoustic
Conditions of use	Ambient temperature range: –20°C to +55°C (depending on the battery) | Humidity < 90 %, non-condensing | for 100,000 cycles[1] | Min. backset 35 mm | IP65 rating
Event log	Last 1,000 events
Interfaces	NFC | Connection to an emergency power device
Scope of supply	AirKey cylinder | Cylinder fastening screw | 2 CR2 lithium batteries | Assembly manual | Important information

Versions

Finish

Options



Elongated outside turn sleeve

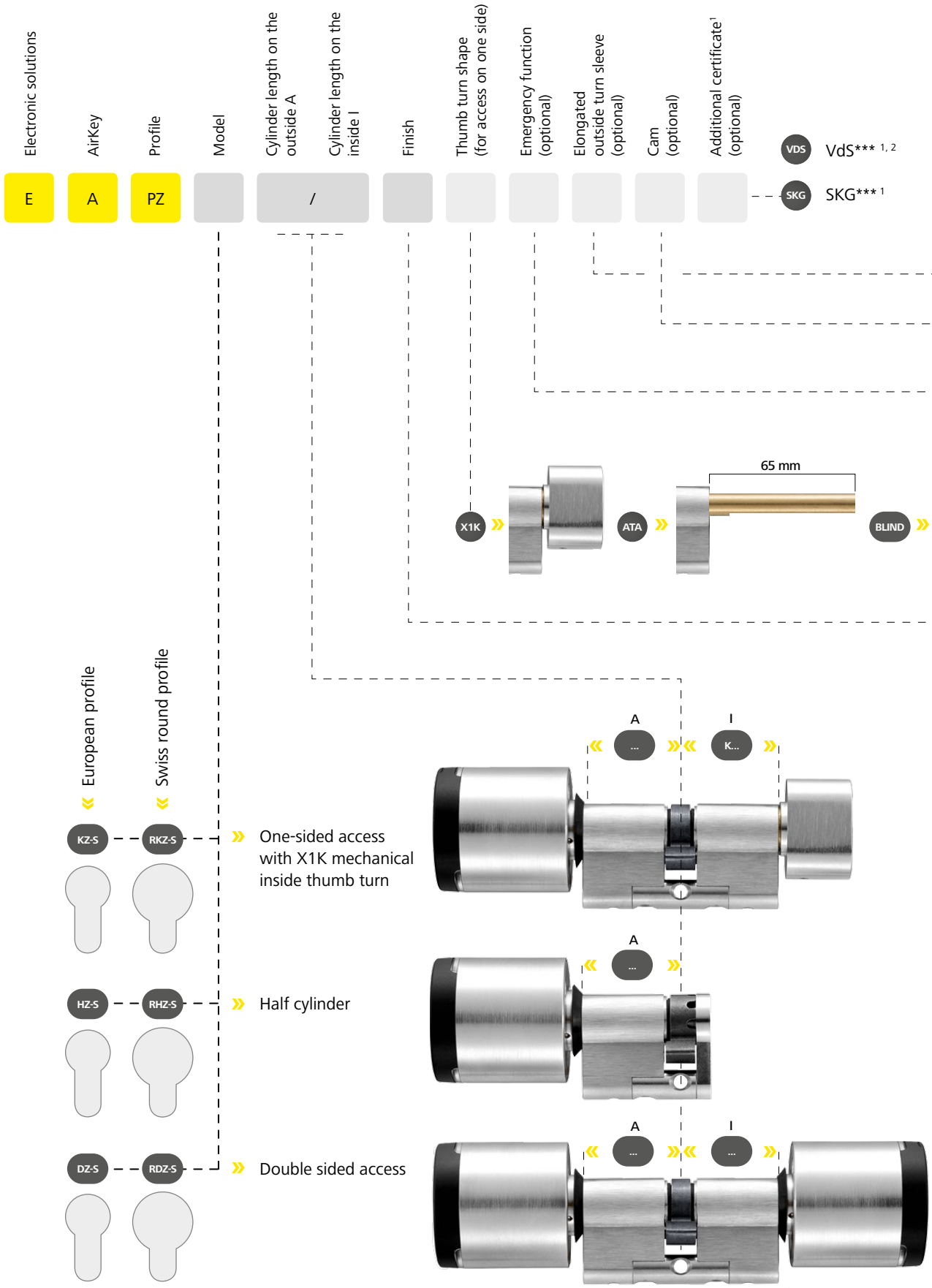
Accessories

Versions and options see » **Page 58**
Accessories see » **Page 60**

Ordering

Product code	E.A.AI.AZ29-S.RC1.[Finish].FZG.[Option]
Example	E.A.AI.AZ29-S.RC1.NI.FZG

AirKey cylinder | Versions + options (Europe)

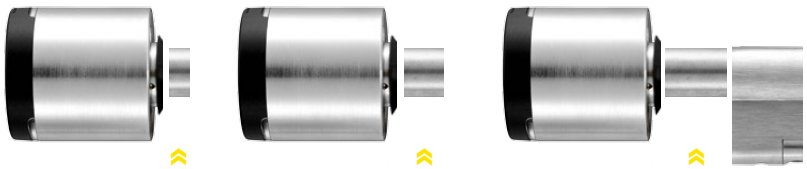


Cylinder illustrated as European profile
Also available as Swiss round profile

AirKey product catalogue | 10/01/2015 | Subject to misprints and technical changes.

Elongated outside turn sleeve

› This may be required for use with cylinders in escutcheons with integrated plug pulling protection.



AV05 5 mm | AV10 10 mm | AV15 15 mm

FZG Free-wheel function[1]

FAP Anti-panic[1]

FLU irrespective of installation position[1]

FSR Cam latching[1, 3]

› FZG – for locks with multi-point locks
› FAP – with locking cam reset function for anti-panic locks
› FLU – when installing cylinders in a non-vertical position
› FSR – for half cylinders with cam latching, independent of position

SEP » European profile*

SRP » Swiss round profile*

BIF » Biffar

Z10 » Cogwheel cam 10

Z18 » Cogwheel cam 18

*Must be listed for deviating cylinder profile

Correct cylinder lengths

› Cylinder lengths A and I are measured from the centre of the cylinder screw to the edge of the body. The selected cylinder length must not protrude from the escutcheon by more than 3 mm.

Standard: A + I ≤ 92 mm, special lenghts: A + I ≥ 97 mm

Special locking cams and cogwheels

› AirKey cylinders can also be equipped to suit special locks, such as multi-point locks.

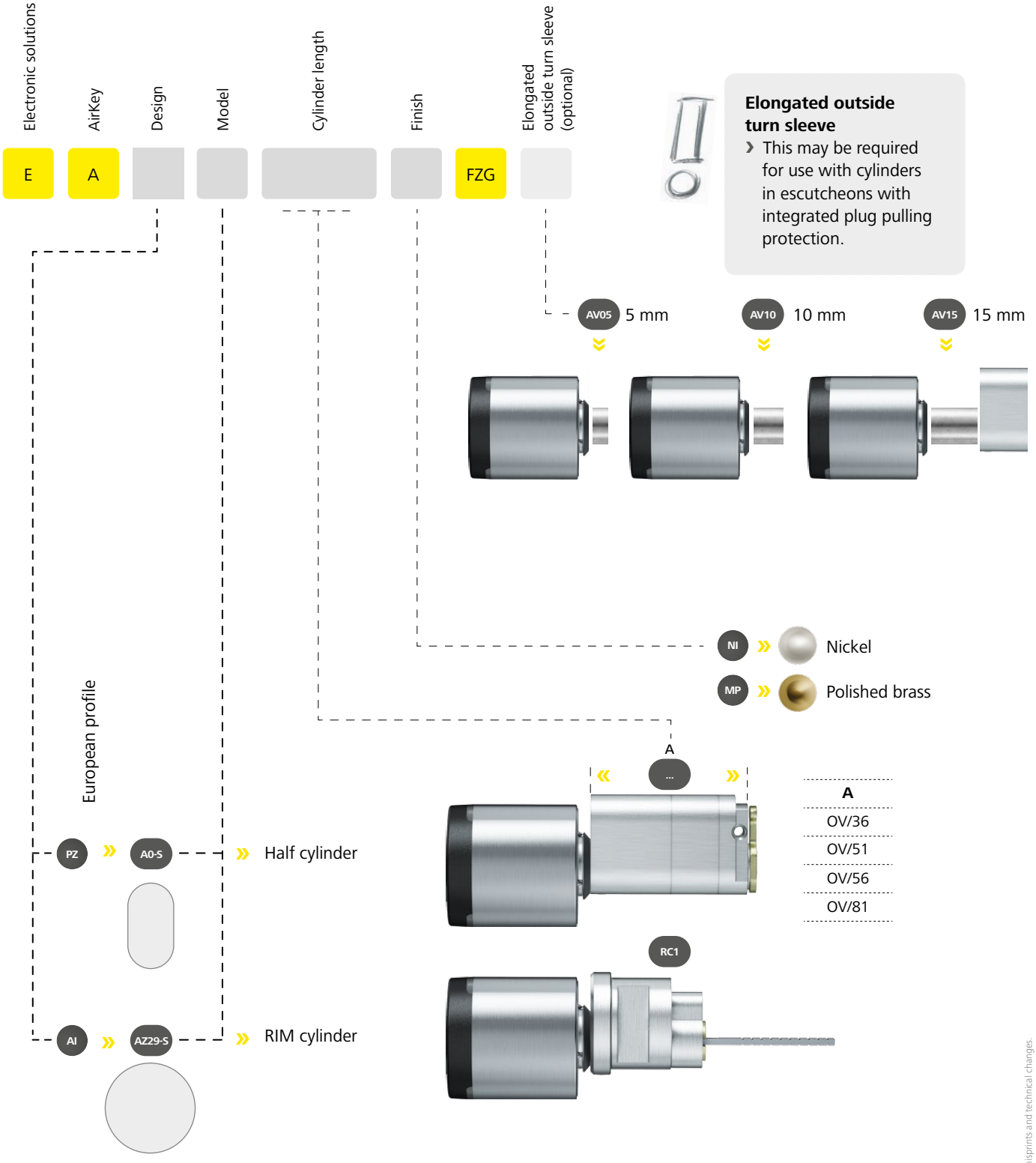
NI » Nickel

NP » Polished nickel

MP » Polished brass

[1] For European profile only. | [2] In preparation. | [3] For half cylinder only.

AirKey cylinder | Versions + options (International)



Cam
› The matching cam is supplied by the lock manufacturer

AirKey product catalogue | 10/01/2015 | Subject to misprints and technical changes.

AirKey cylinder | Accessories

Assembly tool for the AirKey cylinder
This special tool is required to assembly and disassemble the electronic thumb turn and to replace the batteries.

Product code	E.ZU.PZ.ZW.V1

Sample illustration

Set of spare batteries
Set of spare batteries consisting of 10 CR2 batteries

Product code	E.ZU.BAT.CR2.V1.M10

Emergency power device
If batteries have not been replaced in due time despite the warnings, you require an emergency power device to provide AirKey cylinders with power.

Product code	E.ZU.NG.V1

Battery replacement set
Battery replacement set incl. 8 sealing gaskets (1x PZ9, 1x PZ7, 2x CR2)

Produktcode	E.TE.PZ.PZ14

AirKey product catalogue | 10/01/2015 | Subject to misprints and technical changes.

A

AirKey wall reader

The AirKey wall reader can be used for indoors and outdoors. In combination with the wall reader control unit, it is suitable for controlling electronic locking components in doors of all kinds, and much more. For example in sliding doors or swing doors, as electronic door openers, in lifts and in electronic gate systems.

In this process, the AirKey wall reader impresses with its superior design and high-quality material. The front of the wall reader is made of glass. The glass pane on the front as well as the matching frame are available in several colours and combinations.

AirKey wall reader

»Easy to use, optimum security and distinguished visual appearance«

AirKey wall reader | Benefits

Design

Slim design
Its slim construction height means the wall reader perfectly adapts to any environment.

Sophisticated materials
Equipped with high-quality, durable glass front panel.

18 colour combinations
Glass front panel and frame available in white, silver and black – frame in satin or polished finish.

Additional benefits
- Visual and acoustic status and function indicator
- Continuously lit RFID symbol

Function

Actuate locking elements
From electrically operated locks to motorised cylinders – AirKey wall readers can actuate the most diverse locking elements.

Compatible with control elements
The simplest way to control automatic sliding doors, barrier systems and lifts.

Large reader unit
Enables secure and fast identification.

Additional benefits
- With blacklist function
- Last 1,000 events saved in an event log

AirKey product catalogue | 10/01/2015 | Subject to misprints and technical changes.

Technology

Additional benefits
- Distances of up to 100 m between wall reader and control unit
- ECDSA and AES encryption

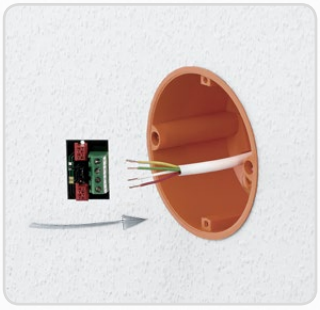
Whenever you need them and wherever you are.
With IP65 protection, AirKey wall readers are suitable for the fiercest weather conditions.

High level of protection against tampering
The control unit can be securely installed indoors. The wall reader offers no targets for manipulation.

Guaranteed power supply
The control unit data cable securely supplies wall readers with power.

Assembly

Additional benefits
- Easy and fast to assemble
- Practical bus system
- Frames available for flush or surface mounting
- No special assembly tools required
- Supported by assembly videos and assembly manuals



1. Connect the plug-in PCB
One wall reader can be connected to one control unit.

2. Flush-mounted frame is screwed onto the flush-mounted socket
A surface-mounted frame is also optionally available.

3. Connect the wall reader
Connect the wall reader cable to the plug-in PCB and insert the wall reader into the frame.

QR codes with assembly videos available!

AirKey wall reader

Assembly

QR code for assembly video Flush-mounted frame

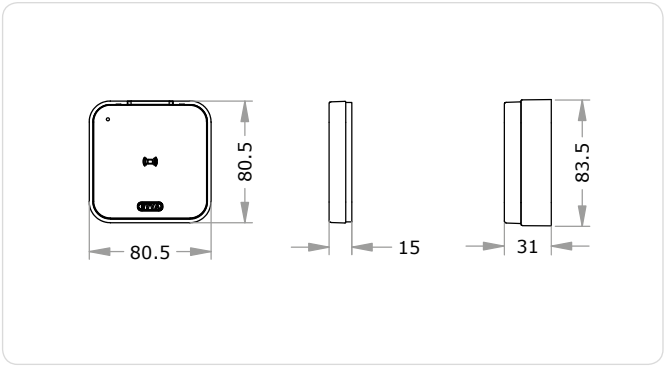
QR code for assembly video Surface-mounted frame

Standards and guidelines

CE IP65

The AirKey wall reader in combination with the wall reader control unit is suitable for controlling electronic locking elements in doors of all kinds. For example in sliding doors or swing doors, as electronic door openers, in lifts and in electronic gate systems.

In this process, AirKey wall readers are ideally suitable for indoor and outdoor use.



Left: front view of wall reader for flush installation

Centre: side view of wall reader for flush installation (RU)

Right: Side view of wall reader for surface-mounted installation (RA)

Application examples

Ideal for electric strikes
Operate electric strikes or motorised locks on security doors using the AirKey wall reader.

Ideal for locking elements
AirKey wall readers are also suitable for motorised cylinder actuation.

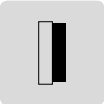
Ideal for garage doors
Also operate garage doors using the AirKey wall reader, available in a colour to match your façade.

AirKey product catalogue | 10/01/2015 | Subject to misprints and technical changes.

Technical information

Assembly location	RU – flush-mounted frame | RA – surface-mounted frame
Glass colour	SW – black | SI – silver | WS – white
Frame colour	SWM – satin black | SWP – polished black | WSM – satin white | WSP – polished satin | SIM – satin silver | SIP – polished silver
Security features	Wall reader in a different location to the control unit | 4 mm thick glass pane | Event log | Integrated EAL5+ certified secure element | ECDSA and AES encryption
Standards and guidelines	CE-certified | IP rating IP65
Technical installation situation	Indoors and outdoors | Up to 100 m distance between wall reader and control unit (recommended cable type: CAT5, max. 100 m, Rloop max. 2 Ω)
Dimensions	80 × 80 × 15 mm
Compatible identification technologies	NFC smart cards as card identification media and key tag identification media | Smartphones with NFC functionality, Android™ > 4.0.0 | AirKey Combi key
Power supply	Power supply via wall reader control unit
Conditions of use	Ambient temperature –25 °C to +70 °C | Humidity < 90%, non-condensing | IP 65 rating
Event log	Last 1,000 events
Interfaces	NFC | AirKey control unit | Switching inputs/outputs
Scope of supply	Assembly location of flush-mounted version AirKey wall reader | Flush-mounted frame | 2 wall seals | Set of screws | Removal tools | Assembly manual | Important information
	Assembly location of surface-mounted version: AirKey wall reader | Flush-mounted frame with surface-mounted frame | Set of screws | Removal tools | Assembly manual | Important information

Versions



Assembly location

Glass colour

Frame colour

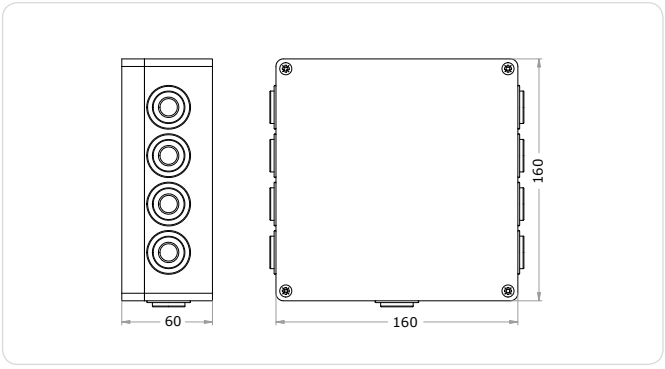
Versions
see » **Page 70**

Ordering

Product code	E.A.WL.[Assembly location].[Glass colour].[Frame colour]
Example	E.A.WL.RU.SW.SWP

AirKey product catalogue | 10/01/2015 | Subject to misprints and technical changes.

AirKey wall reader | Control unit



Standards and guidelines

CE IP54

The AirKey wall reader control unit is designed to activate electronic locking elements in any type of door, for example in sliding or swinging doors, for electronic door openers, lifts and in electronic gate systems, etc.

The control unit is operated in combination with an AirKey wall reader.

Application examples

Easy to accommodate
Due to the compact design, there are countless assembly options, such as in intermediate ceilings, control cabinets, on the wall surface, etc.

High switching performance
The control unit is equipped with two relays, each with a maximum switching performance of 250 VAC.

Technical information

Security features	Encrypted data transfer between wall reader and control unit
Standards and guidelines	CE-certified | IP54 protection
Technical installation situation	Attachment: intermediate ceilings, control cabinets | Up to 100 m distance between wall reader and control unit (recommended cable type: CAT5, max. 100 m, Rloop max. 2Ω)
Dimensions	160 x 160 x 60 mm
Power supply	12-24 VDC mains adapter, min. 24W (see accessories) | | Data buffered for up to 72 h in the event of power cuts
Control situations	1 AirKey wall reader – 1 door
Switching output	At max. two relays per AirKey wall reader | max. 250 VAC | max. 16 A (ohmic) briefly, max. 10 A (ohmic) permanently
Conditions of use	-25 °C to +70 °C | < 90 % humidity, non-condensing | IP rating IP54
Event log	Last 1,000 events
Interfaces	AirKey wall reader
Included components	Control unit, completely preassembled | ESD protection diode for cable lengths over 3 m (12-24 VDC mains adapter) | Assembly manual | Important information

Ordering

Product code	E.A.WL.CU.V1

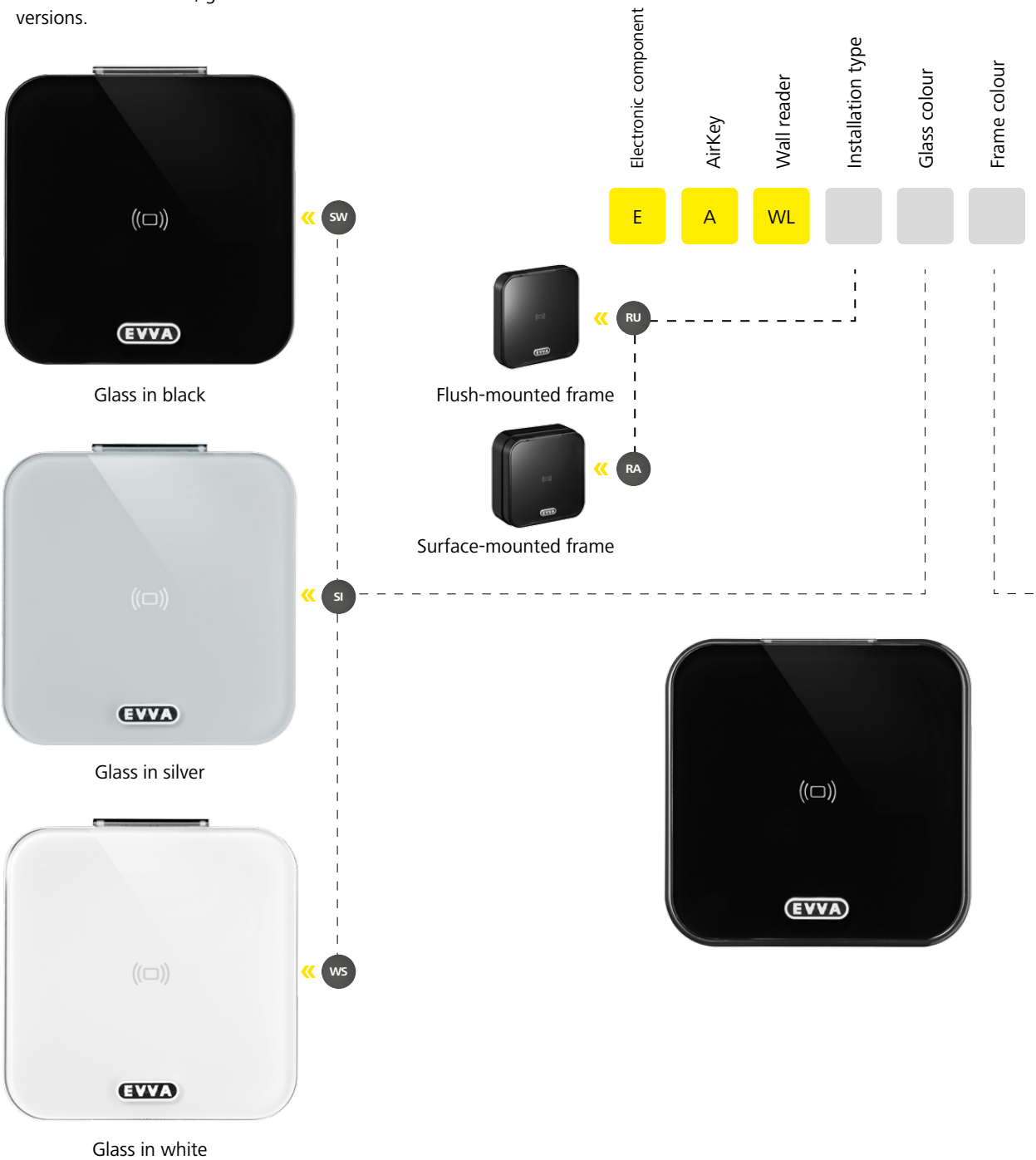
Accessories

Mains adapter for control unit
Designed as the AirKey wall reader control unit power supply (output 12V/2A, European plug).

Product code	E.ZU.WL.NT.V1

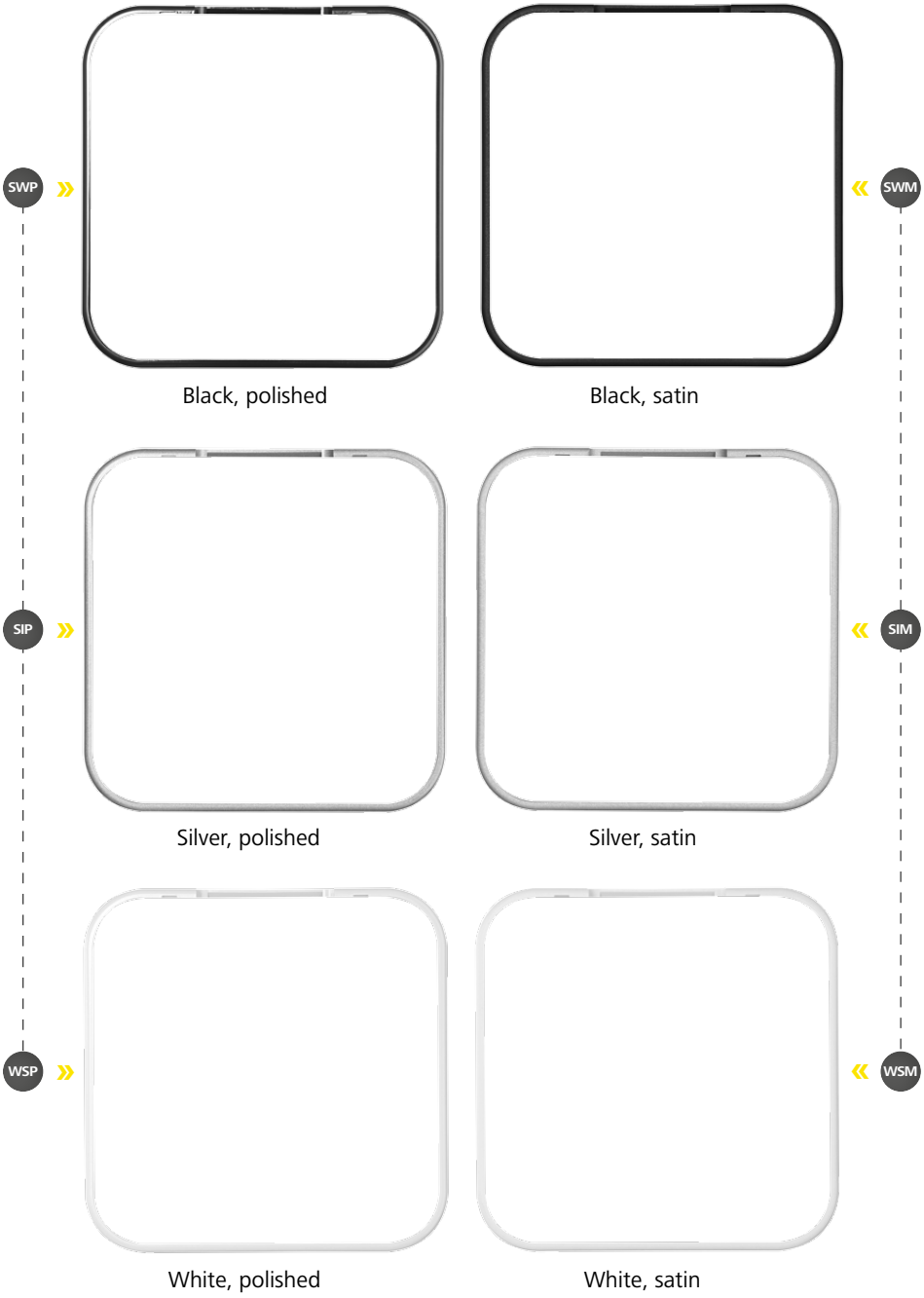
AirKey wall reader | Versions

Glass front panel
Resistant to scratches, glass finish in various colour versions.



AirKey product catalogue | 10/01/2015 | Subject to misprints and technical changes.

Frame versions
Available with polished or satin finish.
Frame made of plastic with rounded-off shape.



The perfect combination
› Matches any environment: puristic, monochrome or with combined finishes.

Matching products

› AirKey wall reader control unit
› EMZY electronic motorised cylinder
(see product catalogue for mechanical locking systems)

AirKey | Implementation

01

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Support

Customer requests, support tools, system selection

02

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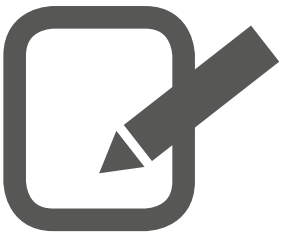
Planning

Project planning, project planning tools, prices



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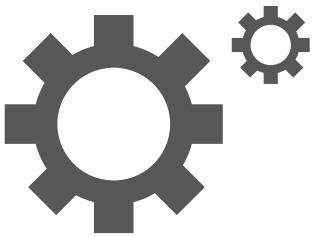
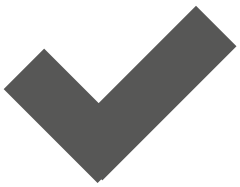
03 Page 76
Setup
Ordering, delivery times, system setup

04 Page 77
Handover + operation
Documentation, maintenance + updates





Support | Parameters, tips and tools

Comprehensive and responsible consultation is particularly important with regard to security.

For this reason, we at EVVA support our partners with our manufacturer expertise. Firstly, in dedicated training sessions. Secondly, by joining forces with our partners throughout support and planning.

Mechanical or electronic solution?
Each facility has different requirements regarding the access systems that secure it. Purely mechanical or electronic systems may be perfect to suit your needs. Usually, it's a combination of both, making facilities efficient, convenient and secure.

	Mechanical systems	Xesar	AirKey
Flexible extension		●	●
Flexibly assign authorisations		●	●
Low level of initial investment	●		
High access security	●	●	●
Quickly delete identification media			●
Time-controlled access		●	●
Convenient operation		●	●
Multitude of different access situations	●	●	
Send access authorisations from anywhere in the world			●
No individual IT infrastructure required	●		●

● Perfectly suited

These values are guide values. Only a security expert can provide you with optimum advice.

Wide range of promotional materials
» EVVA promotional material catalogue

Support check list
» www.evva.com

Visit EVVA
» EVVA showroom

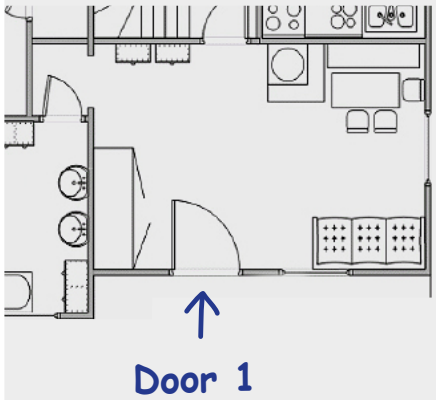
Planning | Project planning + prices

The most important aspect of planning and project planning is to quickly and comprehensively analyse the situation and customers' demands. This is either done by the EVVA-Partner alone or in collaboration with an EVVA advisor.

Once the basic requirements have been fully clarified the technical and financial parameters can be determined. This prevents unexpected, additional costs.

Planning example

1. Customer request
You have established the following after comprehensive consultation: the customer requires a high level of security at the access door (door 1) and demands a polished nickel look.



Planning tip

- Use the EVVA door check list to record customer requirements and the characteristics of the door, such as required cylinder lengths.
- Take photographs. This will allow you to quickly and easily add missing information.

2. Product configuration
Product codes are easy to respond to.
Go to the AirKey cylinder configuration » **Page 50**

	E	Electronic solutions
	A	AirKey
	PZ	Profile cylinder
One-sided access	KZ-S	Model
Cylinder lengths	31/K31	Cylinder lengths A/I
Polished nickel	NP	Finish
		Thumbturn shape
		Emergency function
		Elongated outside thumbturn axis
		Cam

3. Prices and offers
A brief glance at the price list and the offer is complete in no time.

Setup | That's it

Simple orders
Quickly and easily send us your completed order form from the Partner price list.

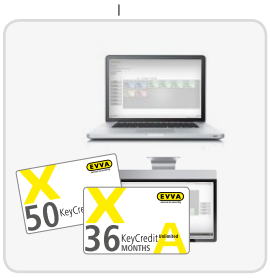
Quick assembly
Simple assembly options and great video documentation keep setup times to a minimum. Scan the QR code*** and watch the assembly video on your mobile. It can't get any easier!

Example
Assembly video
for AirKey cylinders

Delivery in 10 days
EVVA's sensational delivery promise: All AirKey products will be ready for delivery within ten working days after order confirmation.*

Assembling
AirKey cylinders

Register to the online administration and enter components



Enter KeyCredit codes in the online administration.

Transferring access authorisations

Handover
We quickly complete projects to satisfy our Partners and customers

* Applies for quantities up to 100 units.
** You require an appropriate app to scan QR codes which is usually available free of charge.

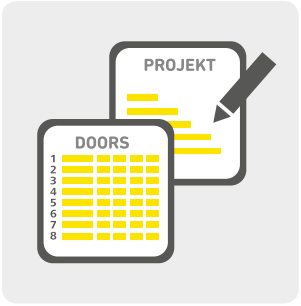
AirKey product catalogue | 10/01/2015 | Subject to misprints and technical changes.

Handover + operation | Components

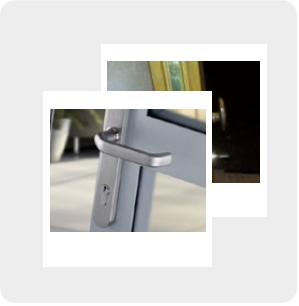
Documentation

Partners hand over documentation to facilitate and ensure maintenance and adaptations to the system.

Said documentation may consist of several elements.



Completed project and door check lists



Photographic evidence and plans of the development project

System manual and data sheets are available online

Legal notice

Publisher
EVVA Sicherheitstechnologie GmbH

Content management
EVVA Sicherheitstechnologie GmbH

Editor: Marcus Anderle
Graphics: René Kern, Christine Artner | **Texts:** Marcus Anderle, Bianca Glos
Technical content: Johannes Ullmann, Hanspeter Seiss
Photographs: Vienna Paint, iStockphoto, fotolia | **Illustrations:** Utku Mutlu
Print: Estermann Druck GmbH, Vienna

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Handed over by

EVVA Sicherheitstechnologie GmbH
Wienerbergstrasse 59–65 | A-1120 Vienna | www.evva.com
T +43 1 811 65-0 | **F** +43 1 812 20 71 | **E** office-wien@evva.com

W.PK.HAN.A.V2.LN.SEN