



## Know who is coming home!

Integrating ekey fingerprint scanners into building control systems



# Europe's No. 1 for fingerprint access solutions.

More than 1 million satisfied customers are the best possible recommendation for our products! Both private households and leading companies, along with organizations such as fire and rescue services, have been putting their trust in the ekey fingerprint scanner for many years.



ekey was founded in 2002 and is now Europe's No. 1 for fingerprint access solutions. ekey puts authorization into the customer's hands! Keys, cards, codes, etc. can be lost, forgotten, or stolen. „Your finger is always on hand!“ ekey's wide range of products includes access solutions for doors, gates, alarm systems and time recording.

The international company currently has 90 employees at its 5 locations in Austria, Germany, Liechtenstein/Switzerland, Italy, and Slovenia and exports its products to over 70 countries, with exports making up 73% of its business. ekey's main sales markets include Spain and the USA, in addition to Austria, Germany, Switzerland, Slovenia, and Italy.

## QUALITY

All ekey products undergo a rigorous endurance test before they reach the market. The test involves intensive simulations of blazing heat, biting cold, and high humidity; each fingerprint scanner, along with all of its components, is subjected to these conditions countless times before reaching the customer.

Our quality formula comprises the highest standards of functionality, reliability, and security, which are refined by means of extensive testing.

Quality-tested products from ekey – you can count on us!

## CERTIFIED QUALITY MADE IN AUSTRIA:

- Extensive production, manufacturing, and functional testing (zero tolerance)
- Testing for environmental and temperature resistance
- Vibration- and shock-tested
- Tested for penetration of water and mechanical parts
- Quality management system in accordance with EN ISO 9001:2015
- CE-compliant



## Good reasons for ekey fingerprint scanners



### UNIQUE COMFORT

You can't lock yourself out: your finger is always at hand!



### HIGHEST SECURITY

- No lost or stolen keys!
- Maximum protection against fake fingers thanks to live finger detection with RF sensor technology!
- Access rights (e. g. card or key) cannot be transferred!
- 1,000 times more secure than a 4-digit code!



### USER-FRIENDLY

Easy installation and administration!



### INTELLIGENT SOFTWARE

The ekey software is learning all the time – it can detect the growth of children's fingers as well as minor injuries and changes to users' habits.



### KNOW WHO IS COMING HOME

By using the ekey fingerprint access control system, building control systems can now detect which person triggers an action.



### 5-YEAR QUALITY GUARANTEE

for all ekey products!





## ekey makes your home more intelligent.

There is already a wide selection of different manufacturers making building control systems which are designed to make 21st century life as comfortable and safe as possible for you. However, by using the ekey fingerprint access control system, these systems can now detect **who triggers an action** and therefore make it possible to control, manage, or grant access to your building based on a particular person.

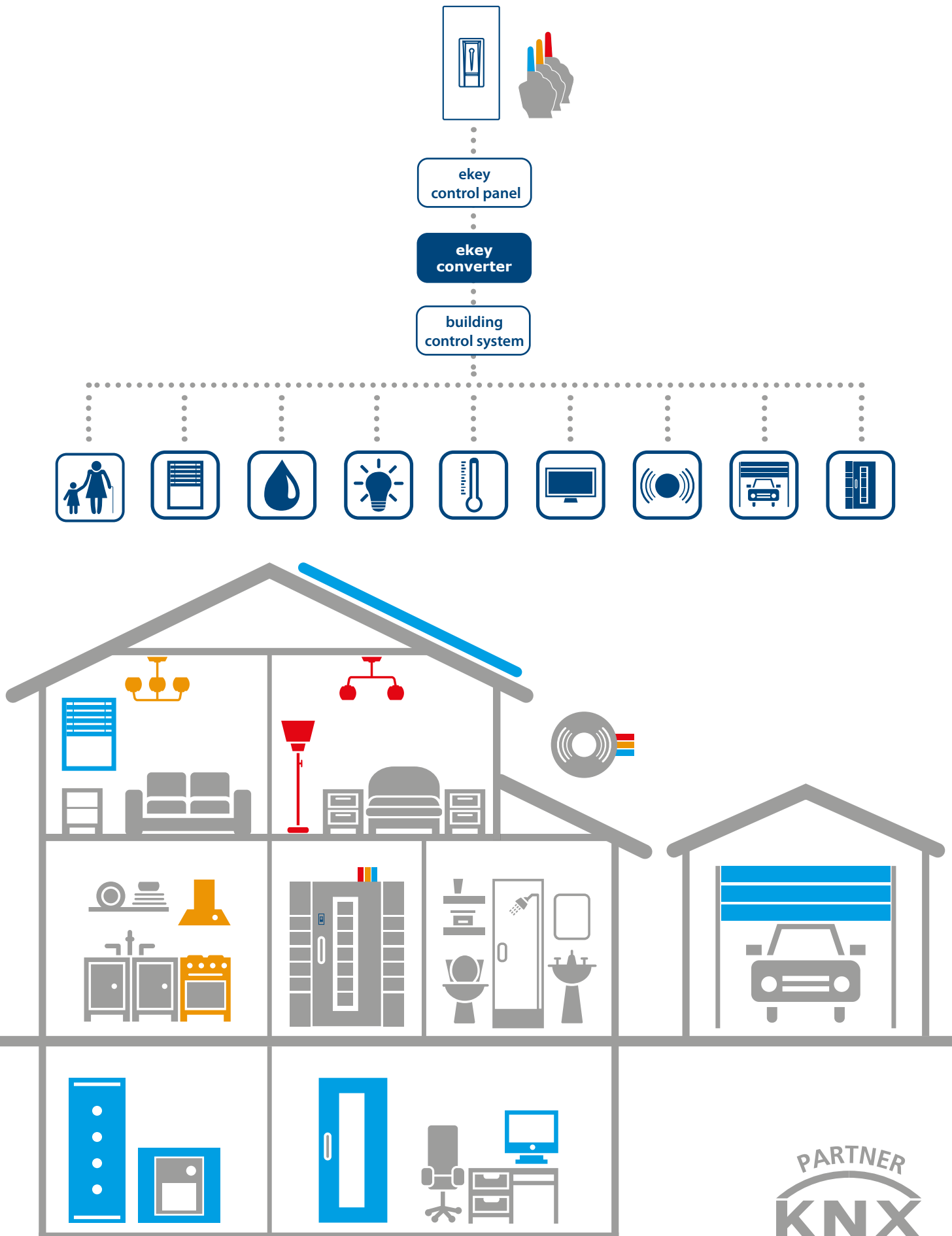
### By integrating ekey fingerprint access control solutions into your building control system, you get lots of new options:

- With ekey, the house knows **who is present** and who is not in the house.
- Depending on who is entering the house, it is possible to do much more with your fingerprint than simply opening the door – you can also **save a lot of energy** as the lighting, heating, and blinds are controlled intelligently.
- These options can be **configured on a user-specific basis** – so the TV and the stove remain off when it's just the children at home, for example.
- It is even possible to implement **time-dependent authorizations**: This means, for example, that the cleaner only has access to the house at certain times.

### When it comes to the user-defined options, the only limit is the user's imagination.

- For public buildings and companies, there is the option to **record who** has entered the building, as well as the **time and location** at which they have entered. This also makes it possible to use the system for **time-recording purposes**.
- What's more, **information about whether an authorized finger** has been swiped over the reader is available. If the person is not authorized, this information could be used to switch on the garden lighting and store a photo from the door camera in an archive, for example.
- Using a logic in the building control system, it is possible to trigger a **different command with each finger saved**.

Automate your house **intelligently**, starting with an ekey fingerprint access control solution.



# The advantages of the ekey fingerprint scanner in conjunction with building control systems are at your fingertips.



## Unique identification

creates the ideal conditions for a home automation system that works as efficiently as possible so that **your house knows who is at home!**



## Highly innovative technology

- State-of-the-art access solutions are a fundamental feature of advanced building concepts
- Increase the value of the property



## Person-specific configurations, for example

- Children: Disable the stove, enable the camera in the house
- Light setting control, heating/air conditioning control, shading



## Access control

- Thanks to the protocol, you know who triggered an action when and where!
- It is also possible to use the system for time-recording purposes!
- Information about whether an authorized finger has been swiped over the reader
- Time-dependent authorizations, e.g., cleaner (Friday between 08.00 and 12.00)



## Different actions can be triggered with different fingers, for example

- Enabling/disabling the alarm system
- Checking in and out (in the building control system)
- Opening doors, gates, etc.
- Switching various controls



## Saving energy

- E.g. by controlling complete sections of a building
- By using predefined settings for lighting, blinds, heating, air conditioning, and ventilation
- Holiday function



## Accessibility

for young and old alike is often a key consideration for customers.  
E.g. enabling the voice control using fingerprint identification

## ekey interfaces for connecting the equipment to third-party systems:



ekey home CV LAN RS-485

The ekey LAN converter for connecting the equipment to third-party systems with a UDP protocol.



ekey home CV WIEG RS-485

The ekey Wiegand converter converts the RS-485 protocol used by ekey into a 26-bit Wiegand protocol (adjustable).



ekey home CV KNX RS-485

The certified ekey KNX converter converts access information directly into KNX events.

Aside from these converters (KNX, UDP, Wiegand), ekey also offers the option of coupling the fingerprint scanner directly with third-party systems using a software development kit.

# ekey provides the right solution for every requirement!

ekey gives you the option of integrating third-party systems, such as building control or alarm systems into ekey access control systems using ekey KNX, WIEGAND, or LAN (UDP) converters.

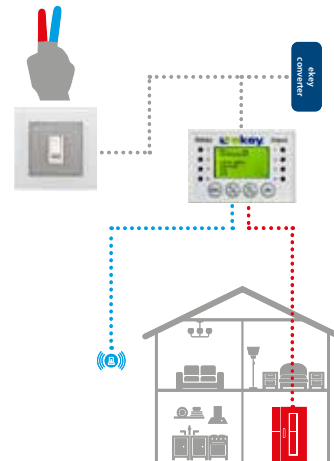
## The right access solution for my private space.

### ekey home

Single-point access solutions.

Control up to 3 functions with just one fingerprint scanner\*.

- Can store up to 99 fingers
- Can be used to control from 1 to 3 functions (e.g. door, gate and alarm system)
- Easy to operate with central user administration directly via the control panel
- Or by using the ekey home app (ekey finger scanner integra, ekey finger scanner arte)
- Optional: Transponder access (RFID) is possible -> can also store up to 99 transponders



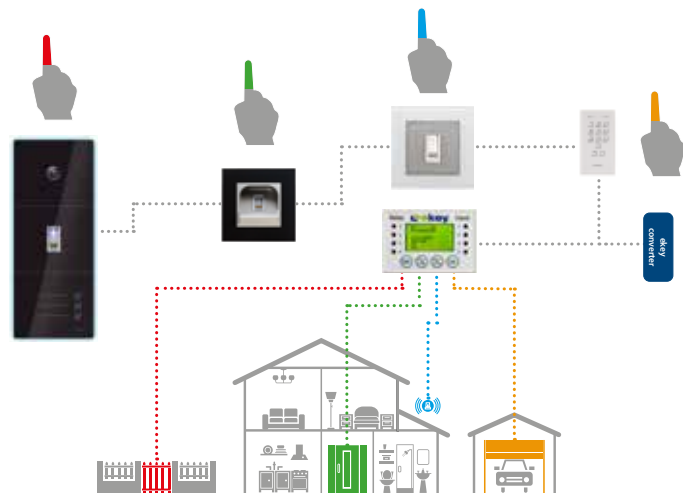
## The ideal access solution for home and work.

### ekey multi

Multi-point access solutions.

4 fingerprint scanners\* are managed by a single control panel.

- Can store up to 99 fingers
- Supports up to 4 fingerprint scanners
- Can control up to 4 functions per fingerprint scanner (e.g., door, gate, and alarm system)
- Individually programmable time slots
- Access log for every fingerprint scanner
- Easy to operate with central user administration directly via the control panel
- User permissions can be assigned on a personalized basis (based on location and time)
- Vacation or permanent program
- Optional: Transponder access (RFID) is possible -> can also store up to 99 transponders



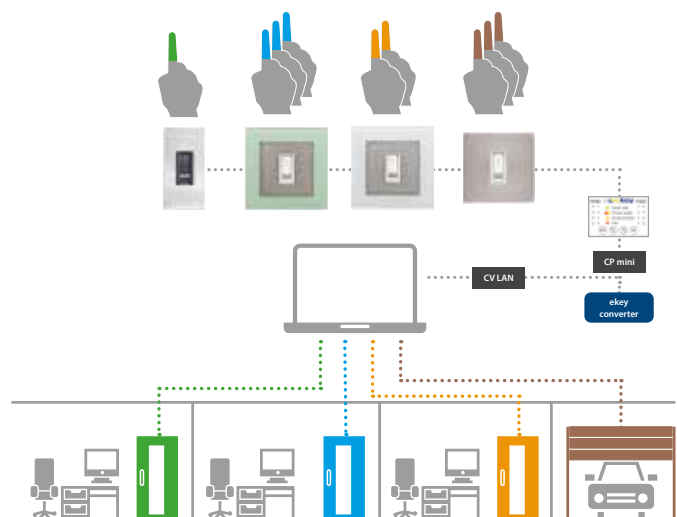
## The networkable access solution for companies and discerning households.

### ekey net

Network access solutions.

The networkable access solution for companies, associations, and discerning households.

- Can store up to 2,000 fingers per fingerprint scanner\*
- Supports up to 80 fingerprint scanners
- Can control up to 4 functions per fingerprint scanner
- Programmable time slots
- Access log for every fingerprint scanner
- Supports cross-site administration
- Central administration via PC
- Calendar function
- Interfaces for establishing external connections
- Optional: Transponder access (RFID) is possible -> Can also store up to 2,000 transponders



\*alternatively: Code pad (keypad) -> can store up to 99 or 2,000 codes



# The right model to suit every requirement.



### wall-mounted

For on-wall mounting and easy retrofitting



### keypad

The ekey code pad – an alternative to the fingerprint scanner.



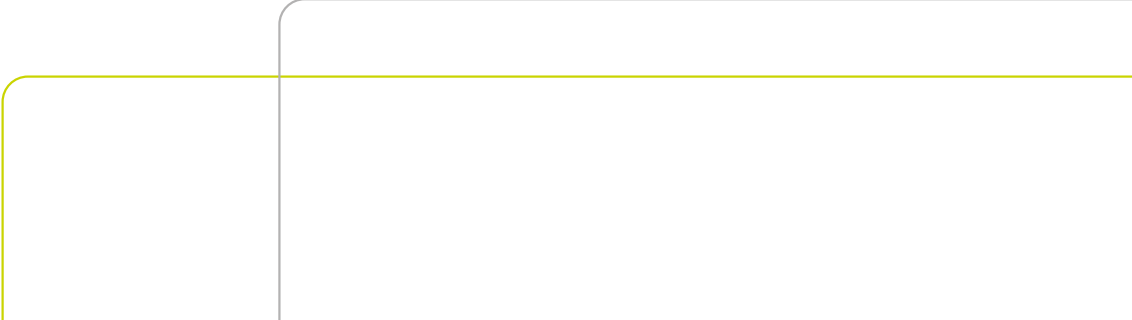
### outlet-mounted

For outlet mounting in switch frames or integration into door stations and mailboxes.



### integra

For dry wall or recessed installation and for integration into front doors.





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