ekey®
Europe´s # 1
for fingerprint access solutions

ekey finger scanners:
For my home

Your finger is the key

Open door and gate – just use your finger

Why choose finger scan?

Of all the biometric techniques, finger scan is the most convenient one, due to its cost, user acceptance, security, and stage of development.
Your children´s fingers from age 6 onward may also be recognized and the scanners are easy to use for children. You need not worry anymore, that your child might lose its keys.

How does scanning work?

When you swipe your finger over the scanner, its fingerprints are scanned and saved as a unique finger code. Each time you use the scanner, the newly scanned fingerprint is compared with the saved one. A pulse opens then the door or gate.
From the front door to the garage door, and to the alarm system: thanks to ekey home, your finger is the key – simple, convenient, secure!

ekey home

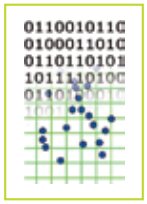
ekey home consists of a finger scanner mounted outside the area to be secured, and of a control panel, which allows user administration, such as enrolling or deleting users, mounted within the secured area. No computer is necessary for programming and operation. Up to 99 fingers may be saved.

ekey multi

The revolution of this multiple-access solution lies in its simplicity: easy to install for the professional, as easy to use as a mobile phone for non-professionals, yet extensible.

Feature highlights of the ekey multi

- Up to 99 different fingerprints can be stored
- Administration of 4 finger scanners with one control panel
- 2 scanner makeups: outlet mounted / integra (flush mounting possible)
- Central enrollment of the fingers on one scanner and automatic transfer to the remaining scanners
- 3 time zones (2 can be defined at your convenience)
- Access logging, master key plan and many other functions



Ask for the „Finger scanner in the door pull" specific brochure.

1) Sliding gate/garden gate
The robust finger scanners are designed for outdoor use.

2) Garage
The transponder is in the car - the finger scanner next to the garage door

3) Intercom
Integrable within the intercom, complete sets are also available in specialist shops

4) Front door
Function and design ideally united

5) Alarm system
Arm or disarm your system with a finger swipe

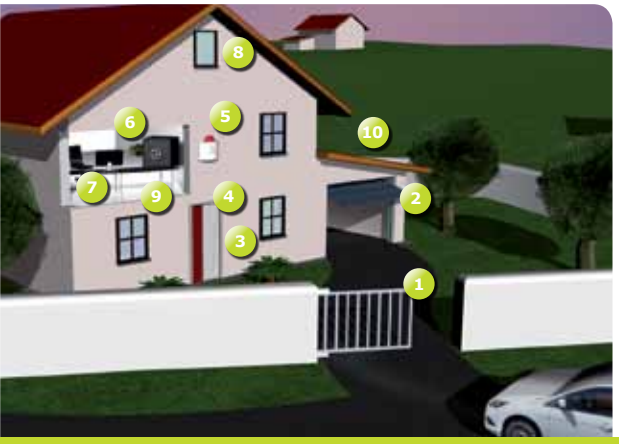
6) Safe
Higher security than any code

7) PC
No more passwords required

8) Weapon cabinet

9) Security zone
e.g. home office, panic room

10) Elevator



„Can´t forget it!

I literally always have my key at hand."

Live comfort
at home

ekey home wall-mounted 2.0 (WM)

Ideal for retrofitting by easy installation of the finger scanner on the façade. The control panel can be mounted on the wall, in the electrical cabinet (distribution board) or in the cellar.

Do you keep on looking for your keys, each time you get back home with tons of shopping, or do you ask yourself where you could have forgotten your keys? Simplify your life! Thanks to ekey, you always have your keys at hand.

Guests, neighbours, or even the cleaning lady may be registered within a few seconds only. A whole range of accessories allow you to customize your own installation.

The intelligent software keeps on learning each time you use the scanner, and registers the growing of children´s fingers as well as minor changes in the user´s habits.

The dual search function allows a flawless finger recognition, even if you did not swipe the finger adequately over the scanner.

Suitable for retrofitting!

Accessories WM

Weather shield stainless steel

Cover in stainless steel as a reinforcement for the outdoor use (vandal resistant)

„My mom didn´t want to give me any key before, now I´ve got my own!"

Finger scanner and light switch under one roof

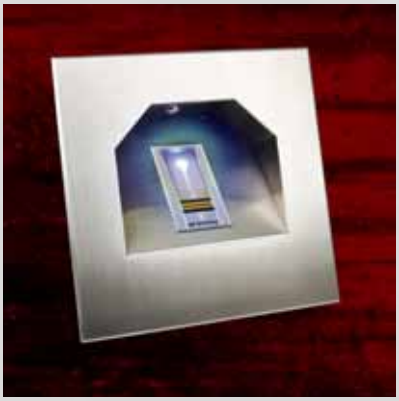
ekey home outlet mounted (OM)

Thanks to the new finger scanner OM it is possible to use the same switch and electrical sockets design everywhere in the house, both outdoors and indoors. No matter if in glass, stainless steel, aluminum or elegant plastics – you select the design you like best. The finger scanner can be fitted in the 50x50 mm switch range design lines of many European producers. You thus create your individual design variations which leave no wishes unfulfilled. You can now also apply your personal style to the electric installation.

Of course the finger scanner can also easily be fitted into intercoms or mail boxes. Operating the patented finger recess is absolutely intuitive. The scanner lights up with a fashionable blue signal. Colored LEDs deliver information on the operational status and when a green signal lights up, the user is authorized to access.

Switch frame design examples OM

OM with bticino switch frame



ekey in-wall mounting set OM ST in stainless steel for flush mounting

OM: Suitable for fitting in switch frames, entrance panels (intercoms) and much more.

Accessories OM

Bezel in aluminum color

Bezel pure white (included in the delivery scope)

Bezel anthracite

NEW! ekey frame OM ST

This stainless steel design frame protects the ekey finger scanner OM according to IP64 (dustproof and protected against all-round splash water) and makes it possible to use it outdoors.

„I have already lost my key once. Now this cannot happen anymore!"

ekey home integra 2.0 (IN)

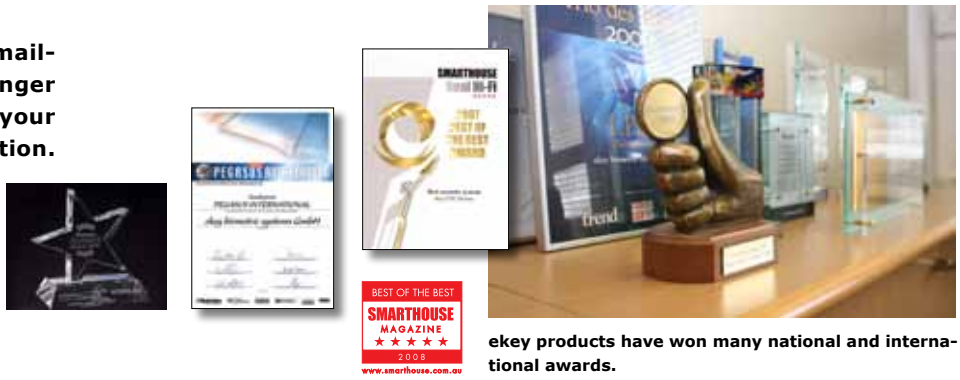
ekey home integra is a stylish access solution, which may be integrated into the door leaf, the door frame, an intercom, a mailbox or the wall. Functionality and exclusive design have been perfectly united.

Your unique fingerprint is more secure than any key, which can be stolen, or lost. Just single distinguishing marks are registered and transformed into a binary code. It is not the fingerprint itself which is saved.

The leading door, intercom and mailbox manufacturers integrate ekey finger scanners within their products. Ask your specialty retailer for more information.

ekey: Europe's # 1 for fingerprint access solutions

More than 130.000 customers in more than 70 countries all over the world use ekey finger scanners every day for opening their doors and gates or for accessing their computer and network. ekey was the first European company to have other companies apply biometrics thanks to an attractive price-performance ratio. A range of national and international patents safeguards our know-how.
Best quality and utmost security along with an excellent price still continue to be the key to our success.



ekey products have won many national and international awards.

Accessories IN

Design element integra
stainless steel

Golden

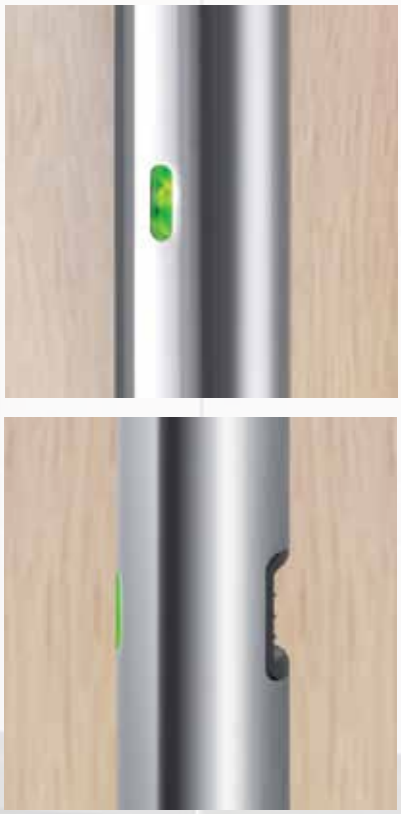
White

Integra wall-mounting set stainless steel
without alarm LED

with alarm LED

with weather shield ST

„Police information centers recommend electronic systems for home protection. I feel a lot safer myself now.“



Finger scanner within the door pull handle

Thanks to the Fingerscan 2.0 door pull, you can now open your door easily and securely with just one finger swipe. The traditional FSB round handle versions will be supplied with a concealed ekey finger scanner, integrated on the rear side of the door pull handle. On the front, only a LED is an indication of the electronics in the background. You may choose between two door pull designs, two tube diameters (30 or 35 mm), two colors and many different lengths, from 450 up to 1500 mm – depending on the option you choose. The fingerscan door pull is very easy to handle: just take hold of it, swipe your finger backwards over the scanner and open the door.

round-cut elbowed

product design award gold 2009

Designpreis Deutschland SILBER 2010

A combination of the most recent state-of-the-art technology with fashionable design. The door pull finger scanner has been awarded at CeBIT 2009 with the coveted iF gold award prize, the highest prize within the iF product design award. In 2010, ekey had another reason to celebrate, having received the German Design Award in silver.

FSB
www.fsb.de

Finger scanner with wireless cylinder for **simple** front door **retrofitting**

Ask for our specific „ekey lock" brochure.

ekey lock

You have neither electric strike nor motor lock on your front door? No problem! Just replace your cylinder with the battery-powered wireless cylinder and spare yourself all the cabling. The ekey finger scanner activates the wireless cylinder so that the door can be opened.

The wireless cylinder can be combined with any ekey finger scanner.

ekey lock is ideal for retrofitting in existing doors, glass doors or fireproof doors. It can be easily dismounted and therefore also be used in leased properties. Do take care to use burglary-resistant fittings for outside!

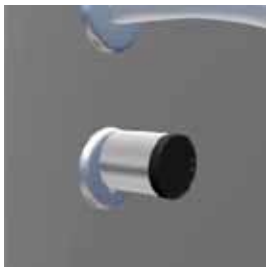
Technical data

Encrypted wireless range	3 – 4 m
Closing cycles with 1 set of batteries	~ 25.000 – 30.000
Emergency current	Possible from outside

ekey lock active transponder

Simple retrofitting in short time

Initial situation



Mounted wireless cylinder

Mounted finger scanner

Control panel including mounted radio transmitter

And off you go opening the door with your finger!

Smart homes via fingerprint

Your smart home combined with internet connection: the ekey UDP converter builds the bridge

Smart home: open your door, switch on lighting and heating, etc. with one finger swipe

The future has already begun

Imagine this: The house recognizes at the entrance door who is arriving. Disarming the alarm system will be carried out fully automatically, the entire house will again be supplied with power and heated, lighting and coffee machine will be switched on and your favorite music will resound. This is no longer a dream of the future, because the future has already started at home. Intelligent building technology makes life in these so-called smart homes more comfortable and secure while remaining invisible.

When leaving your house, you can set the house in an individual state per fingerscan, e.g. the heating will be lowered, the electrical circuits turned off, the alarm system armed and the lighting will simulate a presence. Fingerprint enables you to make user-specific settings, e.g. with regard to children and persons who need particular care, oven, TV, internet and so on cannot be turned on.

In the background, there is a KNX/EIB system, a so-called „home server". The communication between the finger scanner and the server is possible thanks to the ekey UDP converter. Lovers of technology can control the whole system directly at home via touch panel or all over the world via mobile phone and computer.

Many well-known manufacturers offer solutions for the intelligent home

CRESTRON

GIRA

You may find further information on **www.ekey.net**

Klaus Mitterhuber, Director of the residential home for the elderly in Ried:

„No matter if old or young. In the retirement home, the finger is the key."

Networkable finger scanners

1) Barriers
2) Gate
3) Main entrance
4) Entrance panel
5) Time recording
6) Information display
7) Vending machine
8) PC security
9) Office furniture
10) Inner door
11) Printer/copier
12) Safe
13) Vehicle
14) Lift truck
15) Lift
16) Machine

Ask for the „Business" product brochure.

ekey net

ekey net is a network-based access system. Data are registered and administrated centrally. A log file warrants traceability.

Finger data (templates) are saved directly on the server, after the fingers have been enrolled. They are then sent through the network to each single scanner and saved there locally as well.

Versions:

S (up to 40 users)
M (up to 200 users)
L (up to 2000 users)

- An unlimited number of users can be administrated in the system

Key benefits

ekey net allows to administrate easily different time zones for individual access rights (e.g. cleaning company). Just easily as you can give different rights for one same door, you can also open a door via your mobile phone (e.g. garage for a parcel service).

ekey net	light	business
Version	S, M	S, M, L
Time zones and calendars	3	∞
Finger enrollment	USB scanner or door scanner	
Log	✓	✓
upgradeable to business	✓	-
Mobile phone opening	-	✓

„I enjoy my freedom without keys."

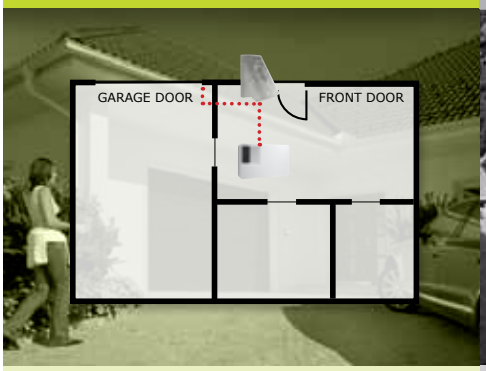
Portfolio

Product Overview

finger scanner wall-mounted	finger scanner outlet-mounted	finger scanner integra	entrance panels

*Systems ekey home/ekey multi/ekey net support all ekey **finger scanners in any design** and all **electromechanical locking systems!***

ekey home

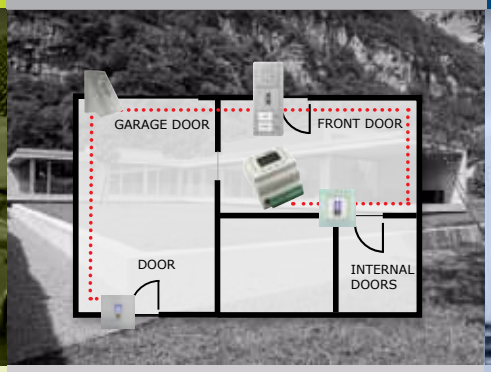


Stand-alone solution

1 finger scanner connected to 1 control panel

- 99 fingers can be stored
- 1, 2 or 3 relay outputs
- Simple installation and operation via the control panel

ekey multi



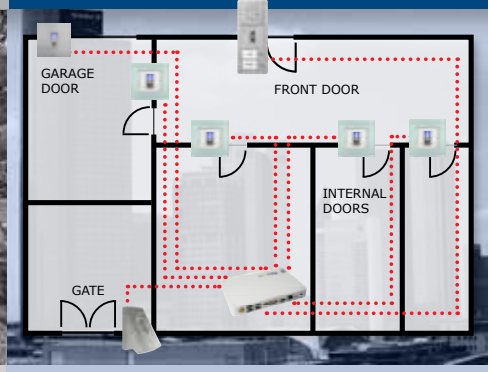
Extended stand-alone solution

1 to 4 finger scanners connected to 1 control panel

- 99 fingers can be stored
- 4 relay outputs
- Simple installation and operation via the control panel
- 3 time zones (always, time zone A and time zone B)
- Access log

- Holiday program automatically blocks users assigned to time zone A or B for a defined time period.
- Full access program overrides any time restriction (every user is granted 24/7 access) for a defined time period.
- Entering user names
- Deactivate or delete users one by one
- Fingerprints are assigned to relay outputs via virtual „keys" defined in the master key plan
- Automatic distribution of finger templates to all finger scanners

ekey net



Networkable solution

The IP-based biometric access control system for facilities of any size.

- Up to 2.000 fingers per scanner
- 1 to 4 relay outputs, extendable
- Up to 80 finger scanner within one installation
- Up to 10 sites administrable
- Configurable time zones
- Access log

and much more

Do you want to find out more about the countless possibilities of **ekey net?** Please contact us for further details!

Which finger scanner is the right one for me?

Finger scanners	ekey home				ekey net			
	wall-mounted	outlet-mounted	integra	FSB	wall-mounted	outlet-mounted	integra	FSB
Application area	Private home, SME				Company, association, public body			
Number of fingers	99				40/200/2000			
Colors	silver gray	anthracite, pure white, white-aluminum	stainless steel, white, golden	stainless steel	silver gray	anthracite, pure white, white-aluminum	stainless steel, white, golden	stainless steel
Dimensions WxHxD (mm)	45x81.6x60.3	50x50x35	45x90.5x2	30x≥450x81 35x≥450x86	45x81.6x60.3	50x50x35	45x90.5x2	30x≥450x81 35x≥450x86
Mounting height (cm)	135	155/110 a)	155	-	135	155/110 a)	155	-
Operating voltage	8-24 VAC or VDC	8-24 VAC or VDC	8-24 VAC or VDC	8-24 VAC or VDC	8-24 VAC or VDC	8-24 VAC or VDC	8-24 VAC or VDC	8-24 VAC or VDC
Power consumption	1W	>1W	1W	1,2W	1W	<1W	1W	1,2W
Stand-alone solution (no PC)	✓	✓	✓	✓	-	-	-	-
Relay/Input on board	-	-	-	-	-	○	-	-
Finger enrollment								
on a finger scanner	✓	✓	✓	✓	○	○	○	○
on a PC via ekey bit	-	-	-	-	✓	✓	✓	✓
Transferable fingerscan	-	-	-	-	✓	✓	✓	✓
Log	-	-	-	-	✓	✓	✓	✓
Data backup	-	-	-	-	✓	✓	✓	✓
Central EDP administration	-	-	-	-	✓	✓	✓	✓
Outdoor capability	✓	✓	✓	✓	✓	✓	✓	✓
Temperature range	-25° up to +75°C	-30° up to +70°C		-40° up to +85°C	-25° up to +75°C	-30° up to +70°C		-40° up to +85°C
IP rating	IP44	IP33/44/64 c)	IP54	IP54	IP44	IP33/44/64 c)	IP54	IP54
Biometric figures	FAR $1x10^{-7}$, FRR $1.5x10^{-2}$			FAR $1x10^{-6}$, FRR $1.4x10^{-2}$	FAR $1x10^{-6}$, FRR $1.4x10^{-2}$			
Power outage reliability	Data is stored and will not get lost				Data is stored and will not get lost			
Finger scanner security	Protected against manipulation				Protected against manipulation			
Manufacturer's warranty	24 months				24 months			

Control Panels	ekey home					ekey multi	ekey net				
	WM 1	WM 3	DRM 1/2	IN 1	IN 2	DRM 4	mini 1	mini 2	WM 3	DRM 4	IN 2
Dimensions WxHxD (mm)	180x110x41		70 (4HP) x86x54	18(20.24)x 272x29		70 (4HP)x86x54	24x70x45		180x 110x41	70 (4HP) x86x54	18(20.24) x272x29
Number of relays	1	3	1/2	1	2	4	1	2	3	4	2
Digital input	-	-	1/2	1	1	4	1	○	○	4	1
Switching voltage[V] / current[A]	230V/ 5A	230V/ 5A	42V/ 2A	42V/ 2A	42V/ 2A	42V/ 2A	42V/ 2A	42V/ 2A	230V/ 5A	42V/ 2A	42V/ 2A
Interface	UDP b)					UDP b)	LAN, UDP, WIEGAND				
Operating voltage	9-12 VAC or VDC		8-24 VAC or 8-30 VDC			8-24 VAC or 8-30 VDC	8-24 VAC or 8-30 VDC		9-12 VAC or VDC	8-24 VAC or 8-30 VDC	
Power consumption	1 W		0.8 W	1.2 W		0.8 W	0.8 W		1 W	0.8 W	1.2 W
Temperature range	-20° up to +60° C			-40° up to +85°C		-20° up to +60° C	0° up to +70°C		-20° up to +60° C		-40° up to +85° C
IP rating	IP40		IP20	IP40		IP20	IP20		IP40	IP20	IP40
Manufacturer's warranty	24 months					24 months	24 months				

✓ **Yes, - No, ○ Optionally**
a) **FS OM at installation height 110 cm/turned 90° only in case of emergency because of limited recognition performance!**
b) **in combination with a UDP converter**
c) **depending on the switch model / bezel**

ekey – Europe´s # 1
for fingerprint access solutions

Tens of thousands of satisfied customers in more than 70 countries worldwide are a warrant for the fast spread of the ekey products both to end users as to companies. Thanks to all its advantages, finger scan is a most compelling technology.

11 goods reasons

to choose ekey finger scanners

1. **Peace of mind**
   Your front door is always locked

2. **Unique comfort**
   No more bulky key chains, forgotten passwords or cards

3. **Everyday convenience**
   Have your key always „at hand" – your finger (key) opens the front door, the garage door, the garden gate, the office door, etc.

4. **Upmost security**
   - You cannot lose or misplace your keys, or lock yourself out anymore
   - Cannot be manipulated or bypassed
   - Each finger is unique

5. **User-friendly**
   The user registers the people with authorized access himself (with or without PC)

6. **Easy mounting**
   Also for retrofitting

7. **Affordable price**

8. **Full outdoor capability**
   From -25°C to +70°C

9. **Compatibility**
   with any electric strikes, motor locks, or electric multi-point locking systems

10. **Wide field of application**
    Doors, gates, alarm systems, safes, (weapon) cabinets, etc.

11. **Quality by the market leader**
    - Up to 10 million scans guaranteed
    - More than 130,000 satisfied customers
    - 24–month manufacturer´s guarantee
    - Made in Austria

ekey – your finger is the key

EXPORT/1204

Subject to modifications and amendments, errors and omissions excepted.

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