

That's how it works ...



... and your finger is the key.

# Security with biometrics

For many years, large corporations and government institutions have been increasingly choosing biometric technology to secure access to sensitive information and locations. The technology has become more affordable and now smaller enterprises and residential users have joined the ranks. Today's fingerprint systems use different surface scanning technologies such as optical, capacity and thermal. For ekey, this was not enough in meeting its high set of standards for user's privacy and security, resistance against manipulation and environmental influences ... for that reason we have integrated and developed our solutions using **a thermal line sensor**.

From the scanned fingerprint, special features of the fingerprint "minutiae" are located, manipulated, and stored or compared as an electronic key code template that uniquely identifies the scanned finger. No image is stored, only an encrypted binary code template that cannot be reversed or used to reconstruct the original fingerprint image



## TECHNICAL SPECIFICATIONS

ekey® TOCAhome  
ekey® TOCAhome 3  
ekey® TOCAhome pc

one relay to connect one door/electrical device  
three relays to connect three doors/electrical devices  
three relays to connect three doors/electrical devices, PC interface, cable,  
PC software (not for transferring biometric data)

Storage capacity  
Dimensions WxHxD

99 fingerprints  
Control panel: 140x128x48mm (5-1/2 x 5-1/16 x 1-7/8 in.)  
Scanner: 60x95x55mm (3-3/8 x 3-3/4 x 2-3/16 in.)  
programming keys in the control panel (PC not required)  
**Approximately 135 cm (53 in) from ground to scanner lower edge**

User enrollment  
Scanner installation height  
Operating voltage

Control Panel: 9 V AC or 12 V DC with external power adapter  
Scanner: Supplied via control panel

Power  
Relays  
Temperature range  
Power outage  
Control panel security  
Scanner security  
Manufacturer warranty

~1 W  
230V AC, max. 5A (dry contacts)  
-40°C to +85°C (-40°F to 185°F)  
data will be saved and will not be erased  
security code can be set for menu protection  
coupled with the control panel to prevent unauthorized tampering  
24 months

Humidity  
Biometric figures \*

max. 95%, IP43 scanner, IP54 control panel  
FAR: approx. 1.0 x 10<sup>-5</sup>; FRR: 1.4 x 10<sup>-2</sup>

\* This recognition rate was established through an internal fingerprint database

Your authorized dealer:

Subject to optical and technical modifications, any liability for misprints excluded



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ekey® TOCAhome



Your finger is the key

## Testimonials for ekey® TOCAhome



**Reinhold Z., Bolzano/ Italy, security expert:**  
"For me ekey® TOCAhome represents the safest alternative to the usual lock systems, due to the fact that the finger as a key cannot be misplaced or misused. I can fully endorse and recommend ekey® TOCAhome to everyone."



**Susanna K., Vienna/ Austria, student:**  
"With ekey® TOCAhome I have finally found the technology that understands a woman's needs in every day life. Whether I'm coming back from shopping or I want to leave my apartment without my handbag, my finger is the key and therefore it is always with me. Locking myself out of my house is no longer possible."



**Peter Cook, USA, passionate jogger:**  
"ekey® TOCAhome is an ingenious idea as now I always have my key with me. No more carrying around an inconvenient bunch of keys which annoys me during running."



**Peter F., Hamburg/ Germany, student:**  
I have my own key since ekey® TOCAhome has been installed at our home. No more worries for my mother that I might lose my key or someone might take it. Now I feel like an adult.





# Open the floodgates – Easy as swiping!

With ekey® TOCAhome your fingerprint is compared  
to a database of previously enrolled fingerprints and  
you are granted access only when a match is found.

## Where is my key?

## Does it sound familiar?

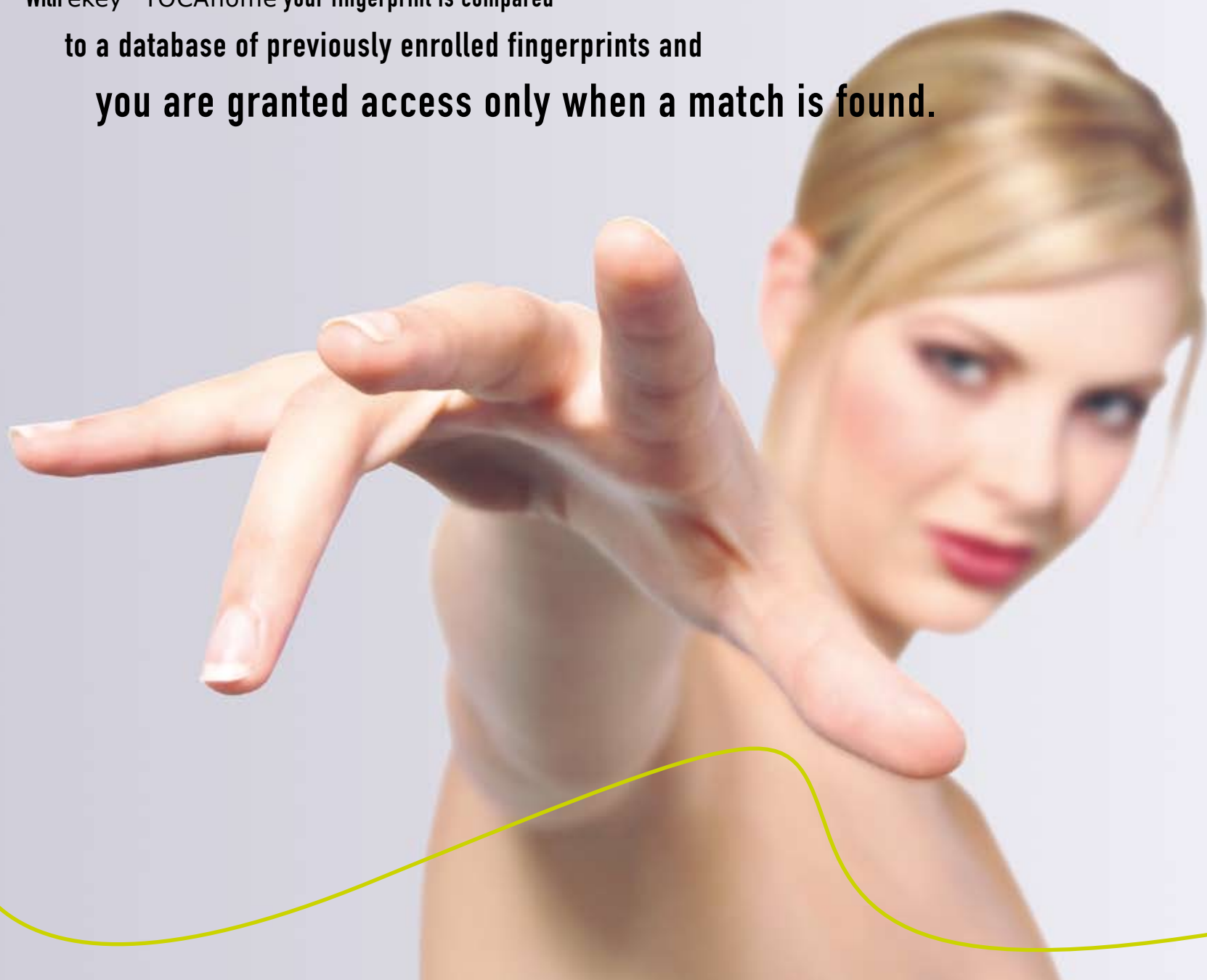
Often you can not find it when needed! ... not anymore ... ekey® puts an end to this dilemma ...

From now on you will always have your key with ekey® ... With its unique product, ekey® TOCAhome ekey biometric systems is offering the most convenient and secure alternative to conventional keys, passwords, access codes, cards, etc.

## What is ekey® TOCAhome?

ekey® TOCAhome is a physical access system that scans and stores fingerprints as an ekey code template during enrolment. Later on during validation, a user is granted access only after a successful match of the newly generated template with a previously stored one.

Open the floodgates – easy as swiping!



## 11 good reasons for ekey® TOCAhome

1. **Utmost convenience** – you always have your key with ekey®
2. **Peace of mind** – no need to worry about forgotten/exposed access codes, lost/stolen cards or keys
3. **Saves time & money** – simply add or delete users. No need to change locks/keys
4. **User friendly** – no need for a PC or a technician for the operation or programming of the system
5. **User privacy** – a key code representing the fingerprint is stored rather than the image itself
6. **Manipulation resistant** – hot-wiring the scanner is not possible
7. **Forgery resistant** – every finger is unique and cannot be copied or shared as is the case with keys or codes. No threat of finger copying
8. **Self-cleaning scanner** – elimination of latent fingerprint risk and scanner surface cleaning
9. **Environment tolerance** – the fingerprint reader can function both indoor and outdoor ... from -40°C to 85°C (-40°F to 185°F)
10. **Power outage** – keep the existing key for override or install a power supply with a battery back-up
11. **Warranty** – (best of all) protected by 24 month manufacturer warranty. Replacement coverage against product failure

## accessories ekey® TOCAhome



plastic round cover anthracite and white



stainless steel round cover



gold plated round cover



stainless steel in-wall mounting set



stainless steel rain shield



vandal-proof stainless steel round cover



... and your finger is the key.

front door



garage



alarm system



elevator



safe



association



bank



Red Cross  
fire department

