PRESS RELEASE

**Fingerprint scanner trio from ekey**

**ekey xLine, sLine und dLine – smart building control with fingerprint scanner**

**The product range from ekey biometric systems includes the fingerprint scanners ekey xLine, sLine, and dLine. The devices are each optimized for their application – but on the software side it is one solution. This means they can be easily administered in one system. In addition to the classic door opening function, they also impress with intelligent building control.**

ekey xLine fingerprint scanner for mounting on the wall, ekey sLine fingerprint scanner for integration into door stations and hollow spaces, and ekey dLine fingerprint scanner for door leaf and door handle are impressive not only individually, but also in combination. The products from ekey, Europe’s No. 1 for fingerprint scanner access solutions, were developed and optimized specifically for the respective application, but can be administered comprehensively in one system via the ekey bionyx app. The simple synchronization of the stored fingers is particularly practical in this context. Because once stored, they work with all fingerprint scanners in the system.

**Fingerprint scanners with many functions**  
The classic advantages of fingerprint scanners – such as keyless opening, maximum security, or additional comfort – are complemented by smart functions in the new product generations that enrich everyday life. Thanks to the practical administration via the ekey bionyx app, all settings are always in view and can be adjusted at any time. In addition to basic functions such as an access log, smart living features round off the scope of features. For example, access points can be opened remotely at any time when required, even when on the go, and the connection to the virtual assistant Amazon Alexa provides additional convenience. A smart feature that is particularly practical for parents: the push notification. This means that if the child has returned home safely from school and the door is opened with the fingerprint scanner, they can choose to be informed directly and do not have to worry about their children’s whereabouts. Users can also be expanded from the default 20 to up to 100. This means that the systems adapt to individual needs with incredible precision.

**Intelligent home control using your finger**In addition to the smart functions directly in the ekey bionyx system, the connection to other smart home systems is also possible. The new generations of fingerprint scanners can do more than just open the door. Because with them, the smart home starts as soon as you get home. By connecting ekey fingerprint scanners to smart home systems, they also recognize who triggers an action. This means that buildings can be controlled and organized based on specific individuals. And with the various stored fingers, different actions can also be controlled. Depending on who activates the fingerprint scanner, for example, the light, alarm system, heating or blinds are controlled. For example, the residents of the house simply place their finger on the fingerprint scanner and the door is unlocked, the light switches on and the alarm system is disabled. In addition, the robotic lawnmower is sent straight to the charging station, and nothing stands in the way of the children playing carefree in the garden.

**Smart access areas with ekey xLine**  
Whether house entrance or garage, the building access receives new functions with the ekey xLine fingerprint scanner. It can be installed either as a flush-mounted variant in standard flush mount back boxes or as a wall-mounted variant with a corresponding housing. Thanks to two relays on the ekey control unit DRM, it is not only the front door that can be opened with your finger, the garage door or the alarm system can also be controlled. The ekey xLine in the standard version is available in white or black. The light ring is an additional visual highlight that truly comes into its own in the glass frame. The light ring communicates with users via different colors and signals. However, if desired, the light can also be switched off. The mounting height can be selected individually – a height between 100 and 110 cm is recommended. Accessible mounting is therefore no problem. In addition, the modern design, the innovative sensor technology, and many new features that make everyday life easier are impressive. ekey is thus setting new standards in terms of convenience and smart possibilities.

**ekey sLine upgrades door stations**  
The ekey sLine connects building access with the smart home world by giving door stations a variety of new functions. During development, ekey paid particular attention to the greatest possible flexibility in built-in fitting. For example, thanks to the low installation depth of 24.1 mm – this means that the ekey sLine can also be installed in hollow spaces (e.g. mailboxes). Depending on the material thickness of the front plate, the finger recess can also be continuously adjusted (0-6 mm). The variable mounting height – from 105 to 155 cm – rounds off the flexible built-in fitting of the ekey sLine in door stations. The design also stands out, which is available in white and black as standard and blends harmoniously into the overall image of the door station. The light ring communicates with the user via different colors and represents an additional visual highlight. However, the light can also be deactivated if desired. Furthermore, many smart features enrich the everyday life of users with a new feeling of comfort and a variety of options. And not only can the front door be opened with your finger, the garage door or the alarm system can also be controlled, as the ekey control unit DRM has two relays.

**Doors get an upgrade with ekey dLine**  
The ekey dLine gives the door a variety of new functions. The intelligent use of a building begins with many smart functions right at the front door. In this way, users experience a new feeling of comfort: They benefit from the possibilities of their digital keychain that go beyond the proven way of using your finger to open the door. The ekey dLine fingerprint scanner is installed ex works by the processor. Integration is possible in the door handle as well as in the door leaf. Only one model is required for both variants, which significantly reduces ordering and storage costs. The high compatibility of the new system is also impressive, as its use is independent of the manufacturer of the motorized lock. In addition, the respective connector cable from the lock supplier can easily be used. Thanks to its impressively small design, the ekey dLine blends harmoniously into any door design. The light ring of the fingerprint scanner not only represents an additional visual highlight, but also signals system feedback and operating modes. However, the light can be adjusted individually if desired.

**New technology, proven security**  
The patented ekey algorithm was specifically optimized for the new area sensor used in the new fingerprint scanner generations. This thus corresponds to the current technological status, which is already known from everyday life, such as from smartphones. At the same time, access with an ekey fingerprint scanner is more secure than the 4-digit number code of an ATM card. The false acceptance rate (FAR) is therefore significantly higher than usual in the industry. It describes the probability with which the door will be opened by an unauthorized person. ekey relies on an FAR of 1 in 10 million, which means that winning the lottery is even more likely – the probability of which is 1 in 8.15 million in ekey’s country of origin, Austria. The data is also encrypted and secured multiple times at all times. Data transmission in the ekey bionyx app is end-to-end encrypted. This means that all data is transmitted encrypted across all transmission stations. The security here can be compared to that of a netbanking app. In addition to all the new possibilities, ekey remains true to its principles, such as high security standards.

**Images/captions:** Reprint free of charge, © ekey biometric systems GmbH

**ekey xLine fingerprint scanner**:  
The new fingerprint scanner system that makes access areas smart: the ekey xLine. Whether house entrance or garage, the building access has new smart functions.

**ekey xLine fingerprint scanner wall-mounted**:  
In addition to built-in fitting in standard flush mount back boxes, the ekey xLine fingerprint scanner can also be mounted on the wall with the suitable wall-mounted housing.

**ekey sLine fingerprint scanner**:  
The ekey sLine fingerprint scanner gives door stations a variety of new functions that connect building access with the smart home world.

**ekey dLine fingerprint scanner**:  
The ekey dLine fingerprint scanner is installed in the door leaf or handle. It blends harmoniously into the door design and offers many smart features in addition to keyless access.

**ekey bionyx app:**  
The fingerprint scanners are conveniently and centrally administered with the ekey bionyx app: Users, devices, functions, and settings are always in view.