



WELCOME HOME

Nuki Smart Lock – the door lock of the future

Graz, Austria in September 2016 – As a door lock with permanent Internet connection, Nuki can be conveniently retrofit on to European cylinder locks. The advantage for all Nuki users: In contrast to other systems, there is no need to replace the existing cylinder. The smart door lock is simply placed onto the already existing lock on the inside of an entry door and then mounted to the cylinder with three screws. Nuki is controlled with the smartphone via Bluetooth and WiFi: The lock is unlatched within three seconds. Naturally, it can also still be opened with a key from outside.

Smart door lock of the future

Thanks to Nuki, the house door can be opened and closed with a smartphone. A bridge is available for Internet connection; this bridge is connected to Nuki via Bluetooth. Whether permanently for family members or temporarily for holiday guests, neighbours and friends: Rights can be simply and securely assigned in a mobile process and the annoying memorization of number codes is eliminated. Nuki can be operated with Android smartphones and with iPhones. The door lock status can likewise be viewed via the smartphone, and smartphones that have been lost can be deactivated at any time.

Automatic opening and closing

Thanks to the "Auto-Unlock" function, the system recognizes when the user comes home and then automatically opens the door. The smartphone can stay in the pocket. After the user leaves home, the door is automatically locked again. If the user moves, Nuki can be simply removed without leaving any traces. The elegant design was developed in cooperation with the international design office EOOS.

Secure end-to-end encryption

Because Bluetooth 4.0 Low Energy does not offer any encryption of its own, Nuki has implemented this feature at the application level. Specifically, a symmetrical encryption procedure with 256-bit keys is used (Xsalsa20). The key pairs are generated via a Diffie-Hellman-based mechanism and stored once both in the app and on Nuki during the pairing, without ever being transferred over Bluetooth or the Internet.

All data transferred over the Internet are handled via Secure Socket Connections (SSL) which in turn control the end-to-end encrypted communication between Nuki, the Nuki Bridge and the smartphone app. The Nuki servers act only as routers here in order to allow smooth operation even if there are firewalls (NAT) on both the smartphone side and on the user's WLAN side. Because the server does not know the crypto keys that are used, it can also not decrypt the data contained in it. The same would apply to an intruder who attempts to access the server or the Internet or Bluetooth communication.

The Nuki Smart Lock costs 229 euros. The Nuki Combo, consisting of a Nuki Smart Lock and a corresponding Bridge costs 299 euros. The price for the Nuki Bridge is 99 euros, and the Bluetooth Nuki Fob costs 39 euros. All prices include the statutory value added tax. Further information is available at <http://www.nuki.io> and in the online shop at <https://nuki.io/de/shop/>