

# The dormakaba skyra System

## Secure API-based Access Control







**Advantages at a glance**

- **Manage access across many locations and sites:**  
Secure access control for large companies with multiple sites or thousands of access points, even in harsh environments.
- **Seamless OpenAPI integration**  
Our web-based OpenAPI connects to your applications. Effortlessly link skyra access control with resource planning, maintenance or on-site support activities.
- **Batteryless cylinders & locks**  
Our dedicated portfolio of robustly built skyra cylinders and locks meet high-level security standards and are battery-free, featuring an electronic core that responds when the skyra key is inserted.
- **Minimalist toolchain**  
All you need is the rechargeable skyra key, managed and activated via the skyra app on your smartphone. No additional devices or wiring are required — the tool you need fits right in your pocket.

**Streamlined cloud-based access control**  
skyra is an API-based cloud access control solution that caters for integration with other services and business applications.

It is designed to meet the stringent requirements of infrastructure providers such as energy, telecommunications, water, and public transport — as well as companies operating across multiple, widely distributed sites that require secure, low-maintenance access for personnel to remote locations.

Through seamless integration via the skyra API, you can use the skyra app, the skyra key, and the comprehensive portfolio of battery-free skyra cylinders and locks, suitable for a variety of use cases.

### Optimizing business operations with the skyra API interface

With skyra's API, you ensure secure access and seamlessly integrate it into your existing business applications. Whether you're managing multiple sites or need to link access control activities with resource planning and maintenance schedules, skyra has you covered.

Streamline your business processes, save time and reduce costs as you will enable wide-ranging access control features and functions for your users. Our web-based skyra API offers a secure and standardized interface for your applications. skyra adheres to the industry standard OpenAPI, making it easily comprehensible for both humans and machines. It describes standard RESTful APIs and facilitates swift and smooths integration.



### Flexible access rights management

The team responsible for administration and planning can assign access rights in the skyra system individually for each user and access point — either immediately or for specific time windows. Granted rights can be revoked just as easily. Once updates are transferred to the skyra app, users no longer need a network connection.

### User-friendly operation: simplified and fast

Notifications in the skyra app alert users to new access rights. Users are also prompted to synchronize their skyra key by pressing the key surface. Once updated, the key is ready to operate the skyra lock. The key's LED indicates access and status using four colors and blinking patterns.

### User onboarding made easy

Admins can onboard new users in a smooth and guided process. Through the skyra system, an invitation email is sent to the user's smartphone, containing simple instructions on how to download the skyra app, perform self-registration and to register and commission the skyra key. Once onboarded, the user is ready to receive access rights and to operate the skyra locks.

### From app to key

Adding new access points has never been easier, all without the need for extra tools. The smart skyra key serves as your all-in-one solution, making tasks like operation, commissioning, configuration and updates a breeze. The accessible functions on skyra app are controlled by the role given to the user.

### Robust door components with minimum maintenance

The numerous versions of skyra cylinders, locks and padlocks fit nearly any door situation, are battery-free and designed to work without maintenance for years in harsh environment. The skyra key is equipped with a rechargeable battery, eliminating the need for battery changes.

### Stay secure in case of lost or stolen keys

The access rights stored on the key are updated through regular synchronizations. Once the validation time is expired, the access right is revoked. Depending on the autonomy and security requirements, the validation time can be set as appropriate. Depending on the risk, a skyra key can be added to a blacklist by the connected business application applicable to specific access points. The blacklist with a lost key is brought to the affected access points by authorized users and is checked whenever a key is inserted.

### The skyra principle in just 4 steps:

01



Create and assign access rights by the leading business application and hand it over to the skyra system via API.

02



The access rights are instantly delivered to the skyra app via the mobile data network.

03



The user synchronises to the skyra key via Bluetooth® with the skyra app whenever needed

04



The skyra key powers the skyra locks and access is granted to the premises, even without network coverage.



### Track door activities with comprehensive audit trails

Each skyra key usage generates audit trails for complete transparency. Monitor door access, including openings and access attempts, capturing event time and details. This feature aids in checking contractor visits, verifying compliance, and accurate billing. Audit trails are collected and available for admin evaluation through the skyra system.

### Efficient logistics and supply chain processes

skyra keys and locks are bulkware components, taken off the shelf. The registration and commissioning are done on-site where they are needed, without any preparation work required in a back office.

### Committed to security standards

skyra's access control solution aligns with ISO 27001 and IEC 62443 standards, ensuring strong security practices, risk management, and compliance. The application of these standards reduce vulnerabilities and bolster cybersecurity. Data transfers within the system are end-to-end encrypted, down to the lock level.

On door lock level, all access points are equipped with unique security tokens, while the access rights corresponding to these tokens are securely stored in the skyra key. Our skyra cylinders and padlocks comply with EN 15684 and EN 16864, meeting the industry's demanding requirements.

#### Note:

Subject to technical changes without prior notice. The scope of this product's functions depends on the system environment selected. Further details and order information can be found in the relevant dormakaba catalogue or system description.

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## Main features and elements

### The skyra system

- Smooth integration via skyra OpenAPI
- State-of-the-art cloud platform
- Administration of virtually unlimited users, keys and access points
- Grant and revoke access rights on the fly
- Periodic validation of access rights
- Blacklisting of keys
- Audit trails of locks and key use
- End-to-end encrypted data (AES-128)
- Aligned with ISO 27001 & IEC 62443 (security level 2) standards

### The skyra app

- Works with Android and iOS® smartphones
- Manages the skyra key via Bluetooth®
- Receives access rights and forwards them
- Performs commissioning of key and locks
- Provides audit trails
- Offers users role-specific functions

### The skyra key

- Opens and closes skyra locks, even without network coverage.
- Is used for access, programming, audit trail and maintenance
- Is rechargeable (USB-C)
- Powers the skyra locks with its battery
- Four LED colors signalling different statuses

### The skyra cylinders & locks

- Batteryless and nearly maintenance-free
- Contain an electronic core
- Suited for harsh environments
- Huge selection, for nearly any access point
- Tested according to EN 15684 resp. EN 16864

**Any questions? We will be happy to assist you.**

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