

The dormakaba skyra System

Secure API-based Access Control



Advantages at a glance

- Scalable Access Management Across Multiple Locations**
 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 seamlessly connects with your existing systems. Easily integrate skyra access control with resource planning, maintenance workflows, or on-site support operations.
- 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.
- Streamlined toolchain**
 All you need is the rechargeable skyra key, managed through the skyra app on your smartphone. No extra hardware or wiring required — your access tool fits right in your pocket..

Streamlined cloud-based access control

skyra is a cloud-based access control system with an API-first approach, designed for seamless integration with services and business applications.

It is built to meet the rigorous demands of infrastructure sectors like energy, telecoms, water, and public transport—as well as enterprises with multiple, dispersed sites that need secure, low-maintenance access for staff at 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.

Streamlining Business Operations with the skyra API

skyra's API enables secure access control while integrating effortlessly with your existing business systems. Whether you're overseeing multiple locations or need to connect access management with resource planning and maintenance schedules, Skyra provides a reliable and flexible solution.

Simplify your operations, save time, and cut costs by enabling advanced access control features for your users. The web-based skyra API provides a secure, standardised interface for seamless integration with your existing applications. Built on the industry-standard OpenAPI specification, skyra's API is designed to be easily understood by both developers and systems. It defines RESTful APIs clearly and supports fast, hassle-free integration—helping your business stay agile and connected.



Flexible access rights management

With skyra, your administration and planning teams can assign access rights individually for each user and access point—either instantly or within defined time windows. Permissions can be revoked just as easily, giving you full control over who has access and when.

Once updates are synced to the skyra app, users no longer need an active network connection to access authorised areas, ensuring reliable functionality even in offline environments.

User-friendly operation: simplified and fast

The skyra app notifies users when new access rights are available. To activate them, users simply press the surface of their skyra key to synchronise. Once updated, the key is ready to operate skyra locks.

The key's built-in LED uses four colours and distinct blinking patterns to clearly indicate access status and system feedback—making operation intuitive and hassle-free.

User-Friendly Operation: Simple and Efficient

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: Simple, Smart Access

Adding new access points is quick and straightforward—no additional tools required. The intelligent skyra key acts as an all-in-one solution, making tasks such as operation, setup, configuration, and updates effortless.

User access to functions within the skyra app is determined by their assigned role, ensuring a secure and tailored experience for every user.

Robust Door Components with Minimal Maintenance

skyra offers a wide range of cylinders, locks, and padlocks designed to suit almost any door configuration. These components are battery-free and built to operate reliably for years—even in demanding environments—without the need for regular maintenance.

The Skyra key features a rechargeable battery, eliminating the hassle of battery replacements and ensuring long-term convenience.

Stay Secure in Case of Lost or Stolen Keys

Access rights stored on the skyra key are regularly updated through synchronisation. Once the validation period expires, access is automatically revoked. This validation time can be adjusted to meet your organisation's specific security and autonomy requirements.

In the event of a lost or stolen key, it can be added to a blacklist via your connected business application. Authorised users can then transfer the blacklist to affected access points, where it is checked each time a key is inserted—ensuring compromised keys are swiftly and effectively blocked.

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

Every use of a skyra key generates a detailed audit trail, providing full transparency over access events. Monitor door activity—including openings and attempted access—with precise timestamps and event details. This feature supports contractor oversight, compliance verification, and accurate billing.

Audit data is collected and made available for administrative review via the skyra system, helping you maintain control and accountability across your sites.

Efficient Logistics and Supply Chain Processes

skyra keys and locks are standard bulk components, ready to be deployed straight off the shelf. Registration and commissioning are carried out directly on-site, with no need for prior back-office preparation—saving time and simplifying logistics.

Committed to Security Standards

skyra's access control solution is aligned with ISO 27001 and IEC 62443 standards, ensuring robust security practices, effective risk management, and regulatory compliance. These standards help minimise vulnerabilities and strengthen cybersecurity across your infrastructure.

All data transfers within the system are end-to-end encrypted, right down to the lock level. Each access point is equipped with a unique security token, and corresponding access rights are securely stored on the skyra key.

skyra cylinders and padlocks also meet the stringent requirements of EN 15684 and EN 16864, ensuring high performance and reliability in demanding environments.

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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