dormakaba

MATRIX Professional
Access

Advantages at a glance

Efficient organisation
- Efficient organisation
- Efficient management of the access authorisations
- Scalable software solution
- Clear overall system

Simple use and application
- Browser-based installation
- Uniform operating concepts
- Multilingual operating concepts

The MATRIX access control system is scalable to almost any security requirement and application size. What's more, it can also be used to control doors with ease via a key plan, as well as to map complex security situations such as those found in lift controls, interlocking door management applications or other high-security conditions. MATRIX can be relied upon to manage and control both wireless offline access components and networked online access readers in a straightforward overall system.

MATRIX access control facilitates the efficient management of access authorisations based on fixed access profiles and/or individual authorisations assigned to persons or groups of persons. General modifications can be quickly implemented at a central point via access profiles. Similarly, individual access requirements can also be mapped out through individual authorisations and assigned to individual persons.

MATRIX is fully browser based, meaning installation and maintenance couldn't be easier. Once installed, the system can be accessed by any computer with a browser on the network.

Editing dialogues and data are multilingual. All functions are managed via an ergonomic user interface in line with a standard operating concept.

Protocol evaluations can be shown in detail or selected in lists. The application is designed as a modular system. This means it is possible to develop it to include additional function modules, such as time recording, escape route security systems and so on, at any time.

MATRIX is in a state of constant development, meaning that you can always rely on having the latest future-proof system at all times.

Factsheet

Administration | system set-up

System size
Value ranges up to 9999 possible for all essential system tables (limitations caused by peripherals must be taken into consideration)

Number of badges
Unlimited (depending on the licence level)

User groups/management
As many users with activity protocols as you like; access to all modules and functions can be defined as full or read access; menu adapts dynamically to the rights

Data backup
Automated data back-up and restore functions via the MATRIX user interface at the touch of a button

Staff data
Import or export via CSV files

Data retention time limits
Individual definition of data retention time limits

Assistants
Dialogue-based support for rapid definition of access control components

Service information
As a text file, optimised to be forwarded on to the dormakaba support team for system support

Log files
Option to access the protocols created in the components; retrieval of older entries via the history function; configurable size and log level

Listen
Predefined or dynamic lists can be retrieved, stored as a pdf/csv on a time-controlled basis (daily, weekly, monthly or customised) or sent via email

Device management
Via dormakaba Terminal Manager (DTM); set-up of the components and management via notebook

PIN code
PIN code comprising 1 to 6 digits

Battery for wireless components
The latest battery status for evolo components in all operating modes is transmitted and displayed in MATRIX

Calendar

Access calendar
The basis for access control of persons and door control, including evaluation of special days

Day types and special days
Definition of specific special days in the case of deviations from the normal calendar

Management of people

Staff data set
Staff no.: up to 255 characters, numeric/alphanumeric; key personal data recorded clearly in a single screen; integrated badge and authorisation management; badges can be defined in a separate dialogue

Departments
Assignment of master records to departments and grouping of persons by department name and number

Access management

Badges
Several badges (and also different reading technologies) can be defined for each person; support available for replacement badges; badge no.: up to 25 digits, numeric; flexible authorisation of badges via profiles and individual authorisations

PC readers
Efficient and error-free reading of the badge coding using an optional PC reader

Access profiles
These summarise certain access rights to simplify the process of issuing access authorisations

Individual authorisations
Assignment of additional, individual access rights to a specified profile to simplify how temporary exceptional cases are handled

Weekly access schedules
An access schedule can be assigned for every day of the week. The replacement access programme is automatically implemented on special days

Access programmes
Four time intervals a day for each door where access bookings are permitted

Door management

Door definitions
Door number, door name, room zone and badge reader assignment

Weekly door schedules
Summary of door programmes for weekly schedules with exception rules for special days

Daily door programmes
4 intervals can be specified for each of the following door statuses per day:
1. Booking, 2. Door permanently open,
3. Suppressing the access protocol,
4. Requesting PIN entry in addition to badge booking.

Door status monitoring
Input contacts for controlling and monitoring; option to define unlocking pulse time, permitted free passage time and alarm duration

Key plan
Key plan dialog for straightforward

allocation of access rights with a single click

Room zones
Summary of badge readers into room zones; definition of access functions based on room zones

Remote control of manual door opening
The following functions are available: open briefly, permanently open with limitations, permanently open, end permanently open, reader lock and end reader lock.

Security characteristics/functions
- Repeat access lock (anti-passback)
- Dual-use lock
- Control of change of room zones
- Requirements can be implemented in line with DIN EN 60839-11-1
- Length of stay monitoring
- Balancing
- Presence logging
- Interlock control
- Lift control
- Presence table for visualising the presence status of people

Options

Technologies
- Access on Card
- Wireless (online)
- OSS
- Mobile Access

Additional modules
- Alarm management including visualisation on the site plan and control of ONVIF cameras
- List configurator
- Tenant Management/mult-client capability with separate or shared doors
- Workflow
- Visitor management with pre-booking (including visitor access and search via QR code)
- Contractor employee management
- Room management
- Security guard patrol
- Simple booking entry

Interfaces
- DIM (dormakaba Integration Manager) for linking to external systems with fixed data structure
- General interface – import/export of data (database/LDAP/file/socket)
- Web service REST interface API
- TMS coupling (door management/escape route)
- Badge issuing system

## Management and access profile

Door management

For every door, MATRIX allows you to set time intervals in which only certain actions are permitted, regardless of the staff profile.

Additionally, the door open time monitoring, the door button and the door status contact can be switched off. Four further permanent opening times as well as maximum office opening hours can be defined.
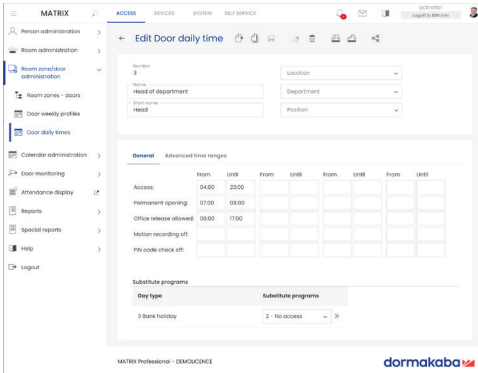

Management of people

Access authorisation defines where and when a person is permitted to pass an access point. With this in mind, authorisations can be issued for individual doors or room zones (door groups). The timing of when a person is permitted to pass through a door is defined within the authorisation based on the weekly access schedules in conjunction with an access calendar.
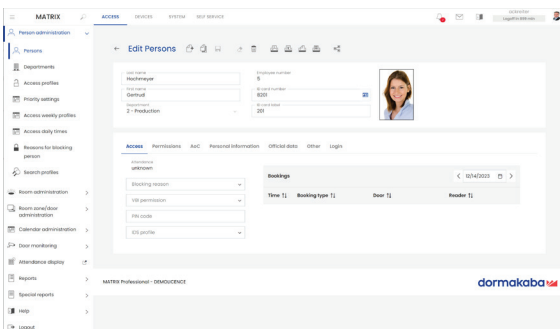
Access profile

Various people can be assigned an access profile in order to grant them specific accesses. In an access profile, individual doors (or readers) or room zones (door groups) can be defined, as can weekly access schedules, which determine the time conditions.
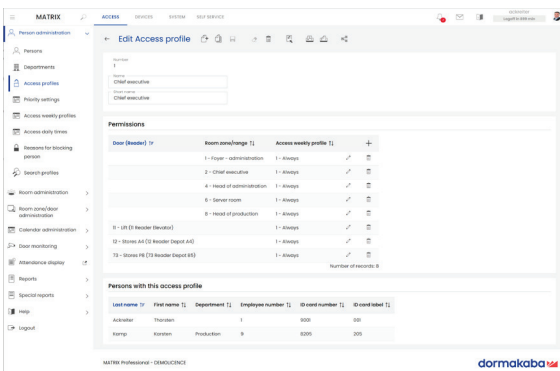
Technical specifications

The MATRIX software can be installed on any up-to-date Windows computer.
The scope of delivery includes the H2 databases and SQL Server Express.

An SQL server or Oracle is purchased and installed by the customer.

Further details can be found in the system requirements.

Subject to change without notice.
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Any questions?
We would be happy to answer any questions you may have.