



## MATRIX ONE – The out-of-the-box access solution

MATRIX ONE access control provides efficient access permissions management for small and medium-sized companies (up to 250 employees) based on simple locking plans and/or fixed access profiles, to which people or groups of people are assigned. Locking plans can be used to make general changes quickly at a central point.

MATRIX ONE is installed on the client's server and is fully browser-based on one line, making it extremely easy to install and maintain. Once installed, the system can be accessed from any computer using a browser on the network.

Processing dialogs and data are available in a number of languages. All functions are managed in an ergonomic user interface based on a standardised operating concept.

The interface automatically adjusts to the size of the browser window thanks to its responsive design and can also be displayed on a smartphone.

Evaluations of logs can be displayed in detail or selected in lists.

MATRIX ONE supports the new device generation of access managers and evolo components as well as white list, AoC and wireless operating modes.

**Access control for small and medium-sized companies:**

- Simple
- Reliable
- Browser-based

# MATRIX ONE

## Access

### Employee record

Employee no. up to 255 characters, numeric/alphanumeric; key personal data entered in a user-friendly mask; integrated ID card and permissions management; ID cards can be defined in a separate dialog.

### Locking plan

Locking plan dialog to allocate access permissions easily at the click of a mouse

### Access profiles

Summarise specified access permissions, thus simplifying the assignment of access rights.

### Individual permissions

Allocating additional individual access permissions to an issued profile makes it easier to handle temporary exceptions.

### Access weekly profiles

Allows user to assign an access program to each weekday. A substitute access program is automatically used on special days.

### Access programs

Four time intervals per day for each door, during which access bookings are permitted

### Room zones

Summary of ID card readers for room zone; definition of access functions on room zone basis

## Administration

### Employee data

Import or export to/from CSV files

### Data housekeeping limits

Data housekeeping limits defined on an individual basis

### Wizards

Assistants with dialog boxes to help user to define access control components rapidly

### Service information

In text file format, optimised ready to forward to dormakaba support for system assistance

### Log files

Access to the logs generated in the components possible; retrieval of older entries in history, size and log level can be configured.

### Reports

Predefined or dynamic reports can be accessed or filed in PDF/CSV format at a specified time (daily, weekly, monthly, "personalised") or sent via email.

### Backup

Automated data backup and restore at a click of the button on the MATRIX user interface

### Device administration

- evolo digital cylinder
- c-lever pro
- c-lever compact
- Access Manager 92 00
- Access Manager 92 30
- Access Manager 92 90
- Wireless Gateway 90 40
- Detection units 90 01, 90 02, 90 03 and 90 04
- Desktop reader 91 08
- Wiegand interface

## Basic modules

Access rights to one or more simple locking plans or access profiles

### Options

- Safety functions
- Visitor administration
- Door status monitoring and message actions
- Alarm monitor with camera
- Interface to an intruder detection system

### Safety functions

- Timed anti-passback
- Hard anti-passback
- Anti-passback room control

### Visitor administration

Efficient administration of all visitors to the company with advanced registration for employees to use in self-service, visitor registration and visitor ID card issued if required

### Door status monitoring and message actions

Entry contacts for control and monitoring; definition of the door release pulse length, permitted door open time and alarm length possible; email notification forwarding.

### Alarm monitor and camera

Alarms and malfunctions are colour-coded and displayed on floor plans in the alarm monitor. Actions are logged.

### Interface to an intruder detection system

There is an interface to activate and deactivate an IDS. The access readers can be disabled at the same time.

# Technical data

## System requirements

### General PC requirements

#### Server (MATRIX installation PC)

##### PC

PC with Microsoft Windows-compatible hardware and software and with DVD drive

### Operating systems

- Windows 7 Professional (64 bit)
- Windows 8 or 8.1 Pro (64 bit) 1)
- Windows 10 Pro (64 bit) 1)
- Windows Server 2008 R2 (64 bit) 2)
- Windows Server 2012 (R2) 2)
- Windows Server 2016 2)

1) PC reader software for DORMA USB reader cannot be used.

2) The client software modules XS manager, AoC manager and PC reader with USB reader cannot be used directly on the server.

### Important information

- Operating systems must have the relevant current service pack installed.

### Processor/main memory

- Intel Core i series, Intel Xeon or similar
- At least 2.6 GHz and 4 GB RAM

### Databases

- H2 (internal data housekeeping up to 1,000 persons)

### Hard drive size

Application, including database installation: 6 GB free hard drive space plus capacity for data storage (max. 10 GB for MS SQL Server Express 2014)

### Backup

We recommend performing regular backups (such as backups on the server, external hard drive or tape streamer).

### Network protocol and hardware

- TCP/IP, Ethernet
- Ports must be freely open to communicate with web browsers and external devices.

### Note about the used web server

The web server used is Apache Tomcat 8.5, which is installed as part of the MATRIX installation routine.

### Client (browser client)

#### PC

Any PC suitable for Microsoft Internet Explorer (version 11 and above), Mozilla Firefox (version 38 and above), Google Chrome (version 44 and above) or Microsoft Edge

#### Interfaces

USB for mouse and if necessary, PC reader (USB enrolment reader)

#### Screen

- Resolution of at least 1,366 x 768, colour
- For alarm monitor at least 1,600 x 900, colour

A PDF reader is required to display generated PDF documents.

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