

Application

ID ACCESS MASTER



Description

Our **ID ACCESS MASTER** consists of **software**, a **controller (with 2 built-in RFID readers)**, and a **desktop reader**. The combination enables an easy-to-use stand-alone access solution, perfectly coordinated for installation in turnstiles such as the ID GATE 6000, ID GATE 7500, or ID GATE 9000.

Authorization is simple. With the help of a desktop application, a whitelist of authorized users is stored. User identification takes place via the UIDs of compatible transponders such as cards, armbands, or keyfobs.

These can be read in with the support of the desktop reader ID DESK 3000 via keyboard emulation.

In the **standard version**, up to **500 users** can be stored, in the **extended version** maximum of **1,500 users**.

SOFTWARE ID SOFT 500

Function	The software is developed to control an access/identification solution and consists of 3 parts: <ol style="list-style-type: none"> Software ID SOFT 500 for communication control between the RFID readers, the database, and the desktop software and for comparison with the whitelist Password-protected web interface: overview of user logs (includes those who are logged out / who are still present) Desktop application ID DESK 1000 for configuring the network settings of the system and for creating/editing the whitelist.
Data format	Whitelist includes data in xlsx-Format (Excel)
Export	Log of usage via web interface as csv-file

HIGHLIGHTS

- **Stand-Alone-Solution** for access control or identification systems
- Once the desired users were stored in the **desktop application**, a **web connection is no longer needed**
- **Integrated RTC (Real-Time-Clock)** enables authentic scheduling of access authorizations for each user
- **Simple application control** (e.g turnstile) via inputs / outputs of the ID Control 500

APPLICATION

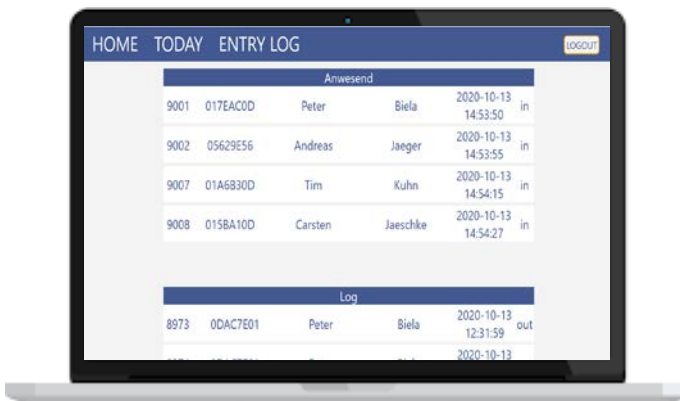
- Gyms
- Access control
- E-Mobility
- Events
- Company buildings
- Construction sites & logistics facilities

SUPPORTED TAGS

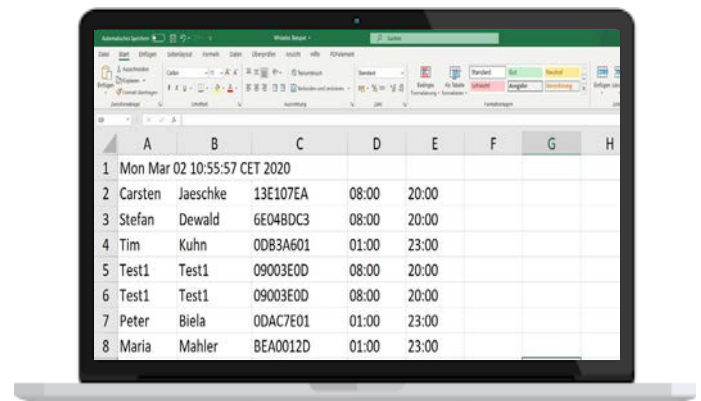
HF (13,56 MHz)

- NXP MIFARE Classic® EV1 4/7 Byte
- NXP MIFARE Classic® EV2 4/7 Byte

Further RFID chips on request



Web interface with overview of user logs



Sample whitelist with name, UID, times

CONTROLLER ID CONTROL 500

Core module	Rasperry Compute Module 3+ with Linux
Power supply	+5 VDC
Power consumption	Depending on RFID hardware and device, at USB port: 6 A
Interface	1x Ethernet, 4x USB
Input	4 opto-coupler PS2501-4, 1.2 V forward voltage @ 10 mA, external resistor required!
Output	10 NPN open collector ULN 2003 A. max. 25 V max. 1.5 A
Processor	Broadcom BCM2837B0, Cortex-A53 (ARMv8), 64-bit SoC, QuadCore, 1.2 GHz
RAM	1 GB LPDDR2 SDRAM
Flash memory	32 GB (expandable via SD card slot)
RFID reader	2 x HF RFID reader M900



ID CONTROL 500 with two integrated RFID readers (can be installed in access control systems, e.g. in turnstiles)

DESK READER ID DESK 3000

Power supply	5 VDC via USB
Power consumption	<150 mA
Max. Power	max. 100mW (20dBm)
Interface	USB 2.0
Compatible systems	Windows XP/Vista/7/10/, Linux, Android
Frequency	HF: 13,56 MHz (MIFARE Classic)
HID Output format	MIFARE Classic (ISO 14443 A): 8 digits hexadecimal UID number (e.g.: 4E 27 3B AA)
Reading range	up to 80 mm
Keyboard emulation	integrated
Signals	Two-colour LED buzzer



Additional device to read UIDs (user IDs) into whitelist and assign them to users

ORDER CODES

ID ACCESS MASTER (STANDARD: ≤ 500 USERS) contains ID SOFT 500, ID CONTROL 500 (incl. 2 HF RFID readers M900 and ID DESK 3000)	R-EA-AM-5
ID ACCESS MASTER (EXTENDED: ≤ 1,500 USERS) contains ID SOFT 500, ID CONTROL 500 (incl. 2 HF RFID readers M900 and ID DESK 3000)	R-EA-AM-15