



System overview

Version: 1.3.4.

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ABOUT PREDOR

PREDOR ACCESS CONTROL, TIME & ATTENDANCE SYSTEM

Predor is an integrated access control and working time management system designed especially for large and medium enterprises. The number of users handled in the largest Predor systems exceeds 5000.

The access events, worktime data, camera streams, fire alarms, guard tours and any other security events can be monitored on the Predor software interface. The automated reports and innovative functions reduce the burden on HR managers, security guards, accountants or any managers.



The software update is free of charge. There are no monthly or annual fees, no hidden costs!

We can implement any custom requirement to tailor the system to the customers' needs. Predor can be integrated with any third party systems and translated to any language.

The free of charge mobile application notifies the authorized users about alert events, they can lock or unlock doors remotely, or the locations data also can be monitored.

LICENSE STRUCTURE

The price of licenses depends on the number of users. Thus, the licenses are cheaper for smaller companies and proportionately more expensive for larger companies.

For instance, if a company needs the **Predor Enterprise access control software for 720 users**, they should buy the following licenses:

- (1) Predor Enterprise Access Control software (expansion license is required for over 20 people)
- (1) Predor Enterprise user expansion license / +500 users
- (2) Predor Enterprise user expansion license / +100 users

ACCESS CONTROL FEATURES

VISITOR MANAGEMENT



Visitor types can be pre-configured to set different authorization levels, validity time ranges and the number of entries. Card issuance is simple, it only takes a few seconds.

RANDOM CHECK



A random luggage inspection has a deterrent effect, the possibility of a theft can be reduced. The feature can also be used for ESD measurement, alcohol probe or weighing with industrial scales.

GUARD TOUR (PATROL MANAGEMENT)



Guards can use their own access cards and the system readers operate as checkpoints. There is no need for expensive data collectors, separate checkpoints are also not required.

CAMERA MANAGEMENT (SURVEILLANCE)



Automated photo or video can be recorded triggered by any events. In some cases, it is needed to keep an eye on a person using the cameras of the object. The tracking window always displays the room, where the certain person is located.

ADVANCED DATA HANDLING (GDPR)



Don't worry about GDPR! The range of data to be deleted and the schedule can be configured in rules that can be run automatically. So the system can handle personal data without any interference.

EMERGENCY PLANS



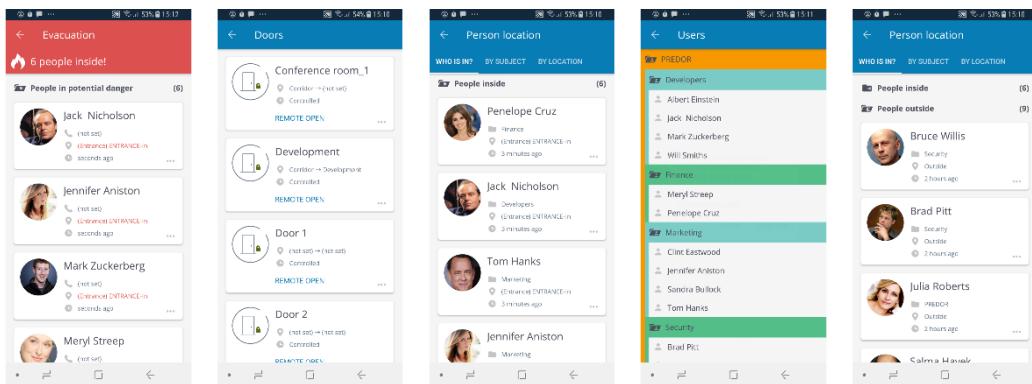
Some objects must be prepared to various emergencies or even an armed attack. If necessary, we can activate any pre-configured plans triggered by software, card read, button or emergency code.

VEHICLE MANAGEMENT



Automated vehicle access control combined with license plate recognition is not only faster but more reliable, than manual access control.

MOBILE APPLICATION



With the help of our free mobile application the employees' activities and the safe operation of the site can be monitored. Using the Predor app you can

- be immediately informed about the alerts
- manage the evacuation in case of a fire alarm
- deactivate users immediately
- browse the event list
- track people's location
- open or lock doors remotely

OTHER KEY FEATURES

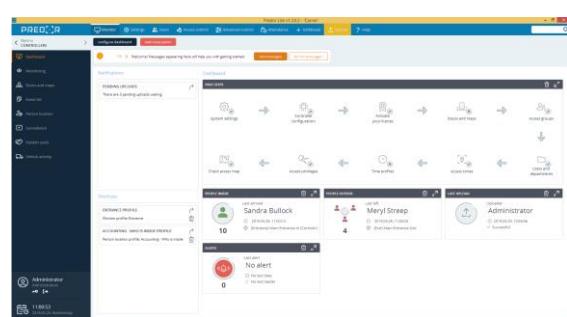
Automatic network discovery

Controllers are easily manageable (discoverable on the network by using broadcast messages), the installing procedure is simple.

Dashboard

The start screen of the software provides a quick overview of important system events. Each tile can navigate you to the certain menu.

The first steps tile guides you through the system configuration steps, each icon function as a link.



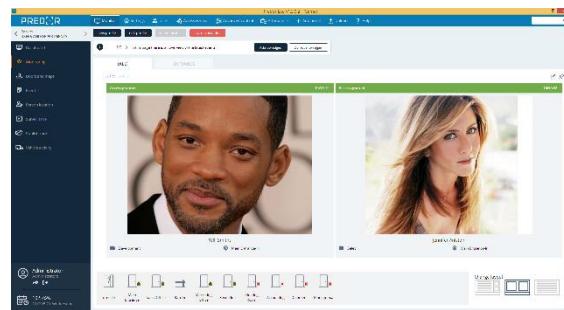
Scheduled battery test:

If the controller is used with a Predor power supply, it can monitor the battery's performance and input and output power levels. By using e-mail rules the system can send notifications about power losses and battery performance degrading.

Monitoring and large picture view

The Monitoring window is used for real-time monitoring of the system, the events are listed in chronological order.

Large images are displayed of the last two authorized users, so the guards can easily compare the cardholder's photo with the person just entering.



Expanded opening time for disabled users

Longer opening time can be used for the door opener if a disabled user is entering. Users can be flagged as disabled in the edit user window.

Pass through monitoring

If a door has an opening sensor and this function is enabled, it will be monitored whether the person has opened the door after authenticating. The location data will be more accurate.

Evacuation list

In the event of fire the system automatically generates a list of the people inside. This helps to find out immediately who is potentially in danger.

The list is sent automatically by e-mail to the appropriate people, and the evacuation can be handled with the Predor mobile app.

In addition the location of people can be seen real time.

Evacuation can be done per building and even multiple can run in parallel.

Evacuation - Default evacuation area		
DISPLAYED NAME	INITIAL LOCATION	STATUS UPDATED
Albert Einstein	(Entrance) Main Entrance-In (in zone: Corridor)	2019.05.29, 14:18:38
Brad Pitt	(Entrance) Main Entrance-In (in zone: Corridor)	2019.05.29, 14:18:38
Bruce Willis	(Entrance) Main Entrance-In (in zone: Corridor)	2019.05.29, 14:18:38
Clint Eastwood	Sales Office-In	2019.05.29, 14:18:38
Jack Nicholson	(Entrance) Main Entrance-In (in zone: Corridor)	2019.05.29, 14:18:38
Jennifer Aniston	(Entrance) Main Entrance-In (in zone: Corridor)	2019.05.29, 14:18:38
Johnny Depp	Sales Office-In	2019.05.29, 14:18:38
Julia Roberts	Sales Office-In	2019.05.29, 14:18:38
Mark Zuckerberg	(Entrance) Main Entrance-In (in zone: Corridor)	2019.05.29, 14:18:38
Meryl Streep	(Entrance) Main Entrance-In (in zone: Corridor)	2019.05.29, 14:18:38
Penelope Cruz	Sales Office-In	2019.05.29, 14:18:38
Salma Hayek	(Entrance) Main Entrance-In (in zone: Corridor)	2019.05.29, 14:18:38
Sandra Bullock	Sales Office-In	2019.05.29, 14:18:38
Tom Hanks	Sales Office-In	2019.05.29, 14:18:38
Will Smith	Sales Office-In	2019.05.29, 14:18:38

Automated person location data correction

If a person does not identify himself/herself when they leave, according to the location data the person will be still inside. This is a problem in case of an evacuation. If somebody doesn't have movement event for a long time (for instance 24 hours), the system will automatically modify the person's location to "outside".

Temporary cards

Temporary cards can be published in a few seconds for those users who have forgotten their ID at home. While a temporary card is active, the replaced card will be deactivated to prevent misuse.

Headcount limit

In some establishments or events, it is beneficial to keep track and limit the number of people inside an area (this can be helpful in case of an emergency). We can setup limits for individual groups too.

Access map

The access map allows you to quickly overview the access rights. The columns of the matrix show the zones of the system and the readers that are not arranged in any zone. The rows of the matrix show the access groups and the individual users.

In each cell the assigned time profile is displayed.

So you can check in which time period the user is allowed to enter the given zone.

	© CANTEEN	© CORRIDOR	© CORRIDOR B	© OFFICE	© PARKING AREA	© SHOP	© STAFF ROOM	© (EXIT) MAIN ENTRANCE-OUT	© ACCOUNTING-IN	© B-HALL-IN	© B-LAB-IN	© B-CONF
Janitors	(Always)	(Always)	Workdays 5 - 12	Workdays 5 - 12	(Always)	Workdays 8 - 17	(Always)	(Always)	Workdays 8 - 17	Workdays 14 - 22	Workdays 14 - 22	Workdays 8 -
Managers	(Always)	(Always)	(Always)	(Always)	(Always)	(Always)	(Always)	(Always)	(Always)	(Always)	Workdays 8 - 17	Workdays 8 -
Security	(Always)	(Always)	(Always)	(Always)	(Always)	(Always)	(Always)	(Always)	(Always)	(Always)	Workdays 8 - 17	Workdays 8 -
Staff	(Always)	(Always)	Workdays 8 - 17	(Always)	(Always)	(Always)	(Always)	(Always)	(Always)	Workdays 8 - 17	Workdays 8 - 17	(Never)
Johnny Depp	(Always)	(Always)	Workdays 8 - 17	(Always)	(Always)	(Always)	(Always)	(Always)	(Always)	Workdays 8 - 17	Workdays 8 - 17	(Never)
Mark Zuckerberg	(Always)	(Always)	Workdays 8 - 17	(Always)	(Always)	(Always)	(Always)	(Always)	(Always)	Workdays 8 - 17	Workdays 8 - 17	(Never)
Penelope Cruz	(Always)	(Always)	Workdays 8 - 17	(Always)	(Always)	(Always)	(Always)	(Always)	(Always)	Workdays 8 - 17	Workdays 8 - 17	(Never)
Sandra Bullock	(Always)	(Always)	Workdays 8 - 17	(Always)	(Always)	(Always)	(Always)	(Always)	(Always)	Workdays 8 - 17	Workdays 8 - 17	(Never)
Tom Hanks	(Always)	(Always)	Workdays 8 - 17	(Always)	(Always)	(Always)	(Always)	(Always)	(Always)	Workdays 8 - 17	Workdays 8 - 17	(Never)
Company Cars	(Never)	(Never)	(Never)	(Never)	(Always)	(Never)	(Always)	(Always)	(Never)	(Never)	(Never)	Workdays 8 -
Manager Cars	(Never)	(Never)	(Never)	(Never)	(Always)	(Never)	(Never)	(Always)	(Never)	(Never)	(Never)	Workdays 8 -

Alert handling

The cameras on the network can be assigned to doors, thus the live stream of the certain cameras can be automatically displayed in case of an alarm. The location of the alarm event is instantly displayed on the map view.



GLOBAL anti-passback (with hold-up timer function)

Anti-passback is used to enhance the security of an area or enforce that the users identify themselves every time before entering an area. If they neglect this, the system can block their movement or hold up the user for a given time.

Importing and exporting user data

The users, the complete department tree, the access groups, user card numbers etc. can be imported from an Excel sheet with just one click. Users can also be exported to an Excel sheet using the button.

PREDOR TIME & ATTENDANCE MODULE



Working time data and statistics are displayed on a graphical platform.

The managers can view the statistics about worktime violations, overtime, worktime balance or any other activity with a single click.

Automated reports can be generated even on a daily basis about late arrival, absenteesm, early leave, unauthorized break, or any other worktime violations.

Any data can be modified manually.

INDOOR TERMINAL



- 99 custom work codes
- Balance feedback for employees
- Touch screen display
- Built-in card reader
- Operating also with battery
- Configurable graphical interface
- Network discovery

PREDOR PORTABLE BIOMETRIC TERMINAL

- 99 custom work code
- Durable design
- Touch screen display
- Built-in card reader and fingerprint reader
- Wireless communication
- Wall mount or portable use
- Standalone operation



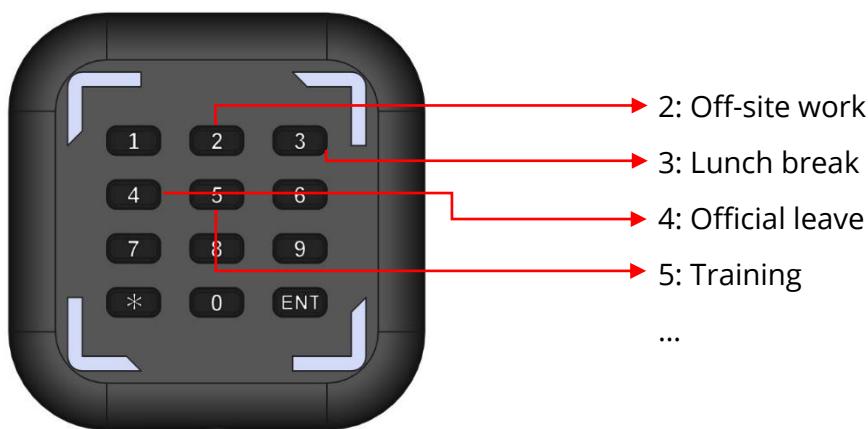
READERS CAN ALSO BE USED AS TERMINALS

The Predor controllers are compatible with almost any type of card readers.

Therefore simple, low price card readers can be used as working time terminals.

Just the custom work codes (activity codes) must be set (maximum 99), and the user should push the proper button before presenting their card. *The start or end of work can be default activity, so presenting the card is enough.*

EXAMPLE:



Performance monitoring

The efficiency will be increased. The manager can continuously monitor the employees' activities.

Thanks to the continuous time tracking it is easy to spot the best and worst performing employees.



● LUNCH	12:08 (5%)	● BREAK	03:08 (1%)
● WORK	129:35 (63%)	● OFF-SITE WORK	59:48 (29%)

ATTENDANCE REPORTS

Many types of graphical performance reports and detailed exportable reports are available that can be manually modified. The reports are automatically sent by Email or exported to csv. or xlsx. format.

PDF TIMESHEET

The manual timesheet preparation is time-consuming. The system saves time by automatically generating the timesheets, and even sends it via e-mail.

You have nothing to do but to print the signable sheets.



QUICK OVERVIEW REPORT

In some reports the results of calculations are displayed as pictograms, so it is easy to spot days where problems or work time violations have occurred.

The horizontal, the vertical headers and the pictograms are navigation links to more limited but detailed reports.

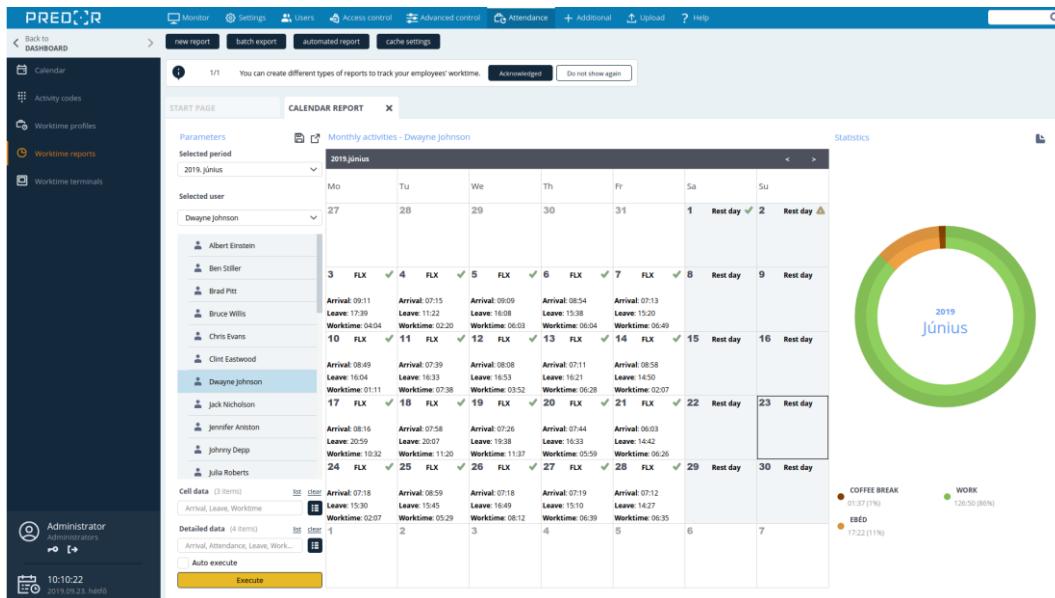
Double clicking on a cell will open a detailed daily report for that particular day and person, where we can even edit the activities.

Users' monthly activities (2019.05.01. - 2019.05.31.)

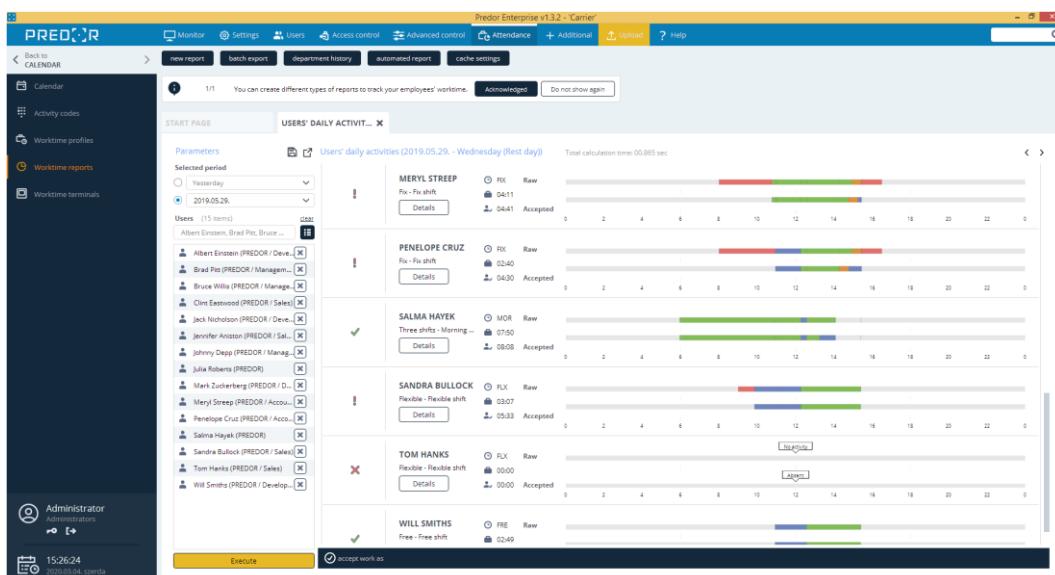
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Albert Einstein	!	!	!				!	!	!	!			!	!	!					!	!	!	!	!	!	!	!	!	!	!	
Brad Pitt	!	!	!	!				!	✓	!	!	!					!	!	!	!	!	!	!	!	!	!	!	!	✓		
Bruce Willis	✓	!	!	!				✓	✓	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	!	✓	!	✓	!	
Charles Bronson	✓	✓	!	!				✓	✓	✓	✓	✓		!	✓	✓	✓	!		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Clint Eastwood	✓	✓	✓					✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Jack Nicholson	✓	!	!	!				!	!	!	!	!			!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	
Jennifer Aniston	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!		
Johnny Depp	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Julia Roberts	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	
Mark Zuckerberg	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Meryl Streep	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Nicole Kidman	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Penelope Cruz	✓	!	!	✓				✓	✓	!	✓	✓			!	✓	!	!	!	!	!	!	!	!	!	!	!	!	✓	✓	✓
Salma Hayek	!	!	!	✓				!	✓	!	✓	!			!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!
Sandra Bullock	✓	✓	✓					✓	!	✓	✓	!			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Steven Spielberg	!	✓	!					!	!	!	!	!	!		!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!
Tom Hanks	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Will Smith	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!	!

CALENDAR REPORT

The calendar report shows the monthly activity of an employee in a calendar with customizable cell data.



USERS DAILY ACTIVITIES



By default we use the following colours:

- Green: paid work time
- Orange: break time
- Red: violation (core time violation, late arrival, early leave, etc.)
- Yellow: overtime
- Blue: unaccounted activity (for example not permitted work on rest days)

WEB INTERFACE

Under the employee interface, you can see your worktime data, register custom activities such as outside work or request a day off.

As for the managerial interface you can see your employee's data who are in departments you are responsible for. You can also assess day-offs, requested activities and assign shifts.



- Employees can check only their own attendance data.
- They are also able to request vacation days or register remote (off-site) work periods.
- Leaders can check their subordinates' worktime balance, or schedule them into shifts.
- The subordinates' requests are accepted or rejected by the line managers.

VIDEO LINKS

[Time & Attendance short video](#)

<https://www.predoraccess.com/Home/Media>

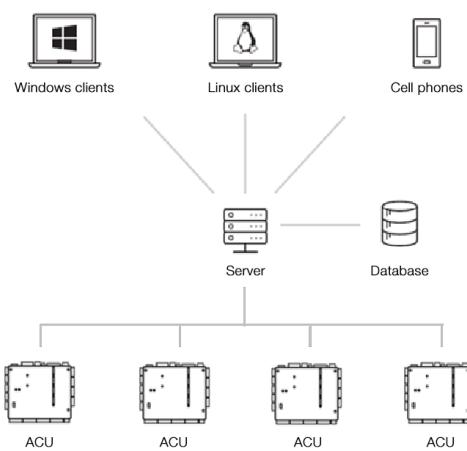
TECHNICAL INFORMATION

The enterprise edition requires a central server. All clients connect to this server with their computers or other devices. The system handles multiple logons simultaneously and every user can manage the system according to their operator rights.

The Enterprise edition usually uses the PostgreSQL system as its database engine, as it allows creating backups on the fly, without shutting down the Predor server application.

Main features:

- Platform: Windows, Ubuntu
- Handling up to 40,000 IDs
- Unlimited entry points
- Unlimited number of zones
- 255 access groups
- Works with multiple clients (PCs, cell phones, etc.) simultaneously
- Mobile application
- Automated Email notification
- Evacuation list in case of a fire alarm
- Camera system integration



System requirements

Component	Minimal	Recommended
Processor (CPU)	2 GHz, 2 cores (e.g. Intel Core i3 or equivalent)	2,4 GHz, 4 cores (e.g. Intel Core i5 or equivalent)
Memory	2 GB RAM	4 GB RAM
HDD	1 GB	2 GB
Monitor display	1366x768 resolution	1920x1080 resolution
Network	100 Mbit Ethernet	1000 Mbit Ethernet