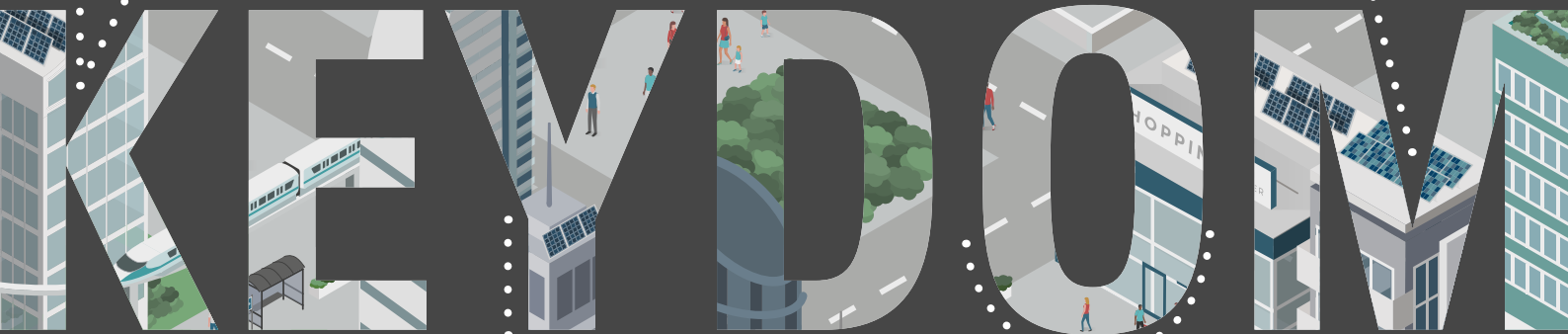
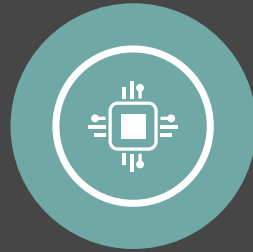


FAAC



ACCESS CONTROL **SOLUTIONS**

KEYDOM

ACCESS CONTROL SOLUTIONS

ACCESSIBLE FROM ANY
DEVICE USING A WEB
BROWSER

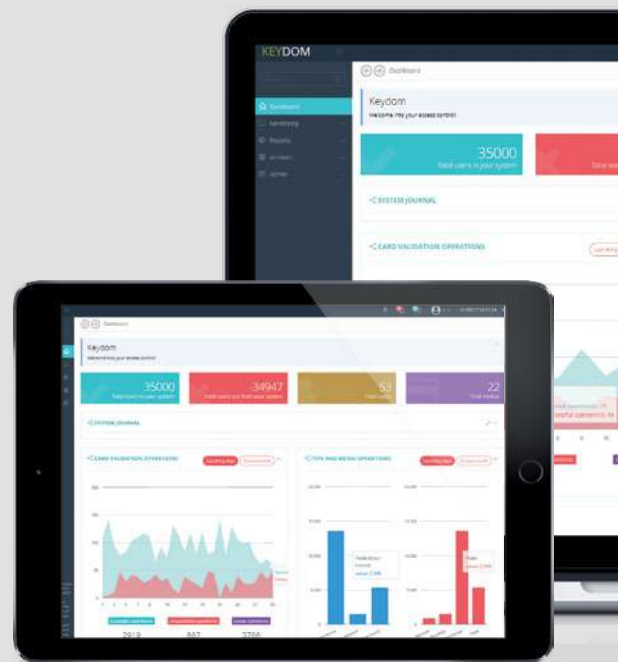
Keydom is FAAC's access control system that is intuitive, easy to deploy, and ready to use on a multitude of applications.

The Web-based application does not require software to be installed: the entire system can be easily configured via a browser on any device connected to the system. The extreme scalability of the system allows different architectures to be used according to your needs.

The products, from the software to the hardware components, to the physical access systems (turnstiles, barriers, automatic doors and bollards), are designed and manufactured entirely by FAAC. FAAC is able to offer turnkey solutions, from consulting and the design of the system to its production.



WEB
BASED



READY TO BE
INTEGRATED



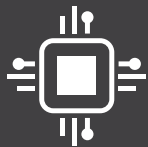
USER FRIENDLY

SIMPLIFIED PROGRAMMING INTERFACE



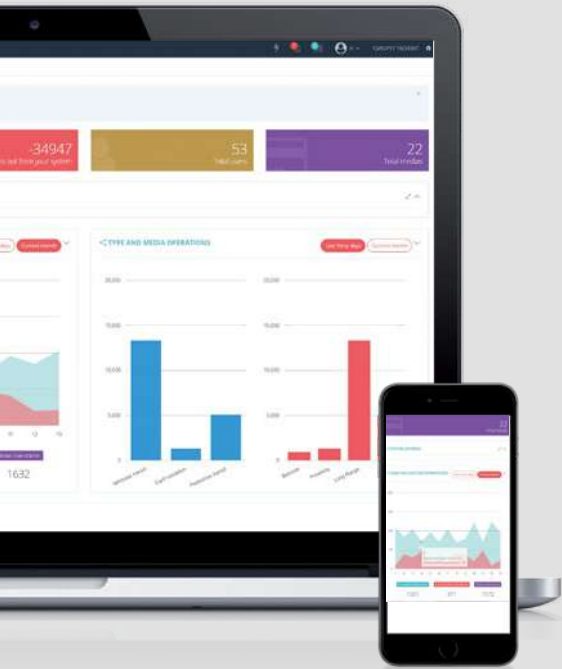
SOFTWARE ENTERPRISE

SOFTWARE FOR PHYSICAL OR VIRTUAL X64 SERVER ARCHITECTURES



EMBEDDED

PRE-INSTALLED SOFTWARE AND INTEGRATED INTO THE NETWORK CONTROLLER BOARD



TRANSPORT AND LOGISTICS



Security, streamlined flow and fast vehicle identification



SCHOOLS AND UNIVERSITIES



Access management from the outer perimeter to the internal doors



PUBLIC ADMINISTRATION

Security and real-time monitoring of employees and external users





BUSINESSES AND OFFICES

Perimeter and sensitive area monitoring for people and vehicles

2

3



TOURISM

Customer access and services management

4



HEALTHCARE

Centralized 24 h protection and user management for sensitive areas



FOR **TRANSPORT** AND **LOGISTICS**

Security, streamlined flow and fast vehicle identification

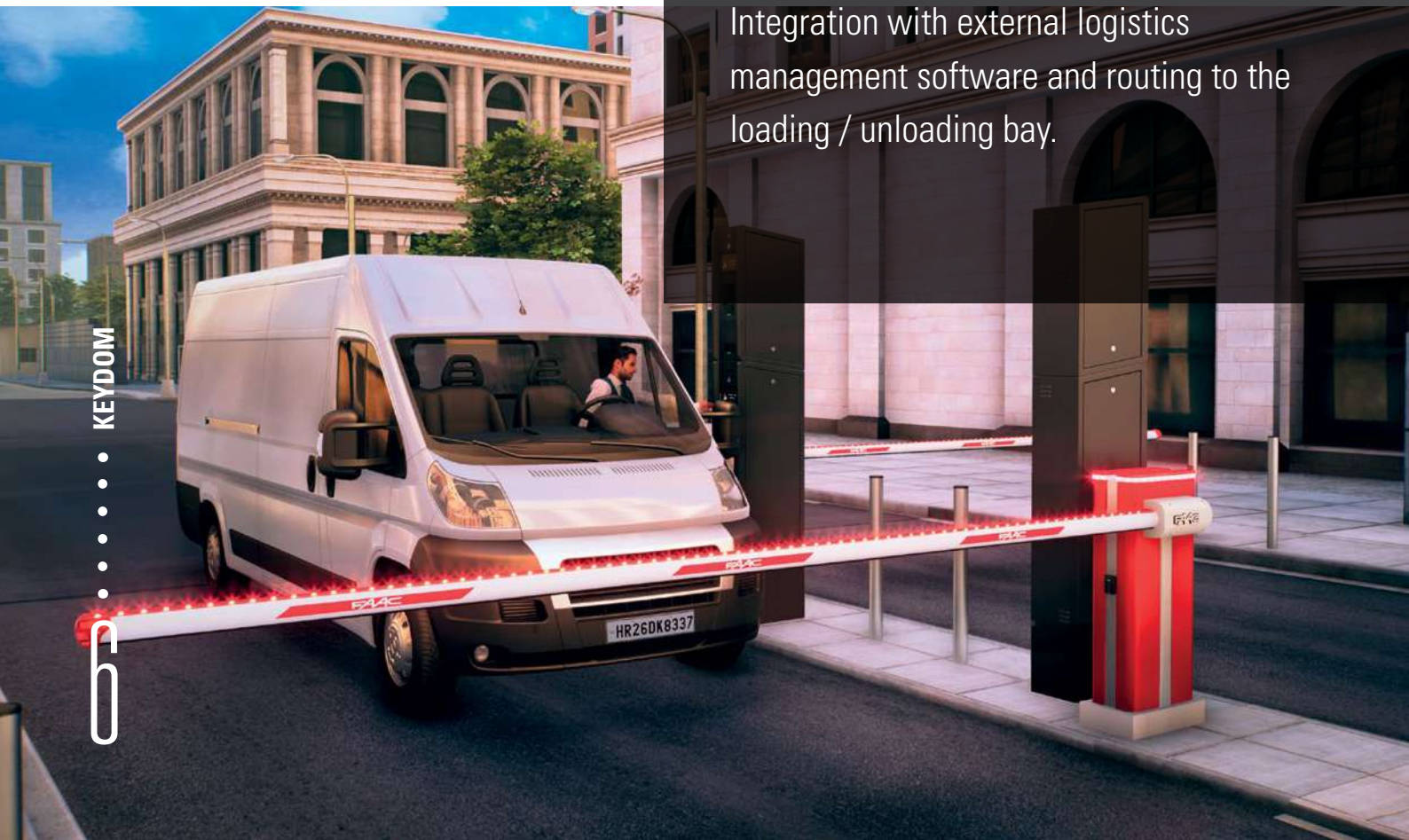
For **transport and logistics companies** FAAC offers a control system that enables **both vehicular and pedestrian flows**, such as company employees, regular and occasional users (carriers, couriers, etc.) to be regulated.

Different technologies can be used to manage each type of user access, for example **TAG, LONG RANGE** or **NUMBER PLATE RECOGNITION** systems.

Special attention is also paid to **the transit of occasional users**, who can obtain a ticket from the vehicle entrances, which they then have to validate at the dedicated stations **in order to exit** (useful for example to make sure that all the operations have been carried out correctly).



Integration with external logistics management software and routing to the loading / unloading bay.





Combined management
with truck queue management systems



Easy access via plate number or barcode recognition



Vehicular and pedestrian traffic monitoring inside the area



Option of enabling **exit from the area** only after **validation** by **internal staff**



Regular or occasional **user management**





FOR **BUSINESSES** AND **OFFICES**

Perimeter and sensitive area monitoring
for people and vehicles

For **businesses and offices**, FAAC offers an access control system **suitable for both large and small organizations**, which is fully scalable at all times.

It will be easy to **manage vehicle and pedestrian** accesses for employees and visitors, **monitor access** to the various areas with different levels of security, **identify personnel and vehicles** and to **manage their presence** inside every facility.

Great attention is also paid to **calculating the number of people present**, which is essential information to have in the event that the premises have to be **evacuated** in an emergency.



Remote Visitor management
authorisation of occasional visitors through the use of QR Code, Ticket, Pin code or plate numbers.





Monitor and register
employees and visitors
when entering and exiting



**Emergency and assembly
point management**



Can be interfaced with
monitoring and/or presence
management systems



Compartmentalization of areas
with different levels of access



Real-time monitoring
of users present in the area





FOR TOURISM

Integrated customer access and services management

For the **tourism sector**, **FAAC** offers a **customer management** system for campsites, mobile home sites and hotels, that controls all access points to the facility, from vehicular to pedestrian access gates to services (swimming pool,

The system is designed to be **easily integrated** with booking software, thereby **greatly simplifying the work of staff**.





Access to the area and services is restricted to **authorized customers**



Access is restricted to the duration of the period booked



Can be interfaced with reservation and booking systems

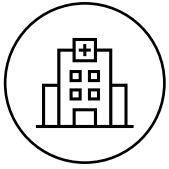


Use of additional services restricted to those who are eligible, with the possibility of interfacing with the facility management system



Vehicle access restricted to the number of vehicles allowed and for the period booked





FOR HEALTHCARE

Centralized 24-hour protection and user management for sensitive areas

For the **healthcare sector**, FAAC offers a highly flexible and scalable system, capable of **monitoring and managing employee and patient access in real time**.

Special attention is paid to sensitive areas and those restricted to personnel, such as lifts, laboratories, storerooms and the emergency department.

The software allows you to easily and instantly manage the flow of people and vehicles according to their **individual security levels**, providing effective prevention against theft and protecting patients and medical personnel.





Pedestrian and vehicle
access control



Can be interfaced
with monitoring and/or
presence management
systems.



Simple grant/revoke
access to high traffic
rooms (e.g. consulting
rooms)



Lift priority call management
for internal staff



Protection of sensitive facilities
such as medicine storage rooms,
analysis laboratories, clean rooms, etc.





FOR PUBLIC ADMINISTRATION, SCHOOLS AND UNIVERSITIES

Security and real-time monitoring of students, visitors and external users.

For **public administration, schools and universities** FAAC offers an access control system that guarantees **maximum security and flexibility**, to manage for example, access to classrooms, **libraries, council offices, army barracks and laboratories.**

As well as continuously checking the number of people present, by monitoring the number of people that enter and exit, it ensures that the **area open to the public remains separate from the area that is restricted to personnel** thereby providing different security levels.



System integrated **with smart and wireless handles** for internal access management





Easily **expandable**
and modifiable



Vehicle access to car
parks restricted
to **enabled users**



Can be interfaced with
monitoring
and/or presence
management systems



Access to classrooms /
rooms, restricted to
authorised users only



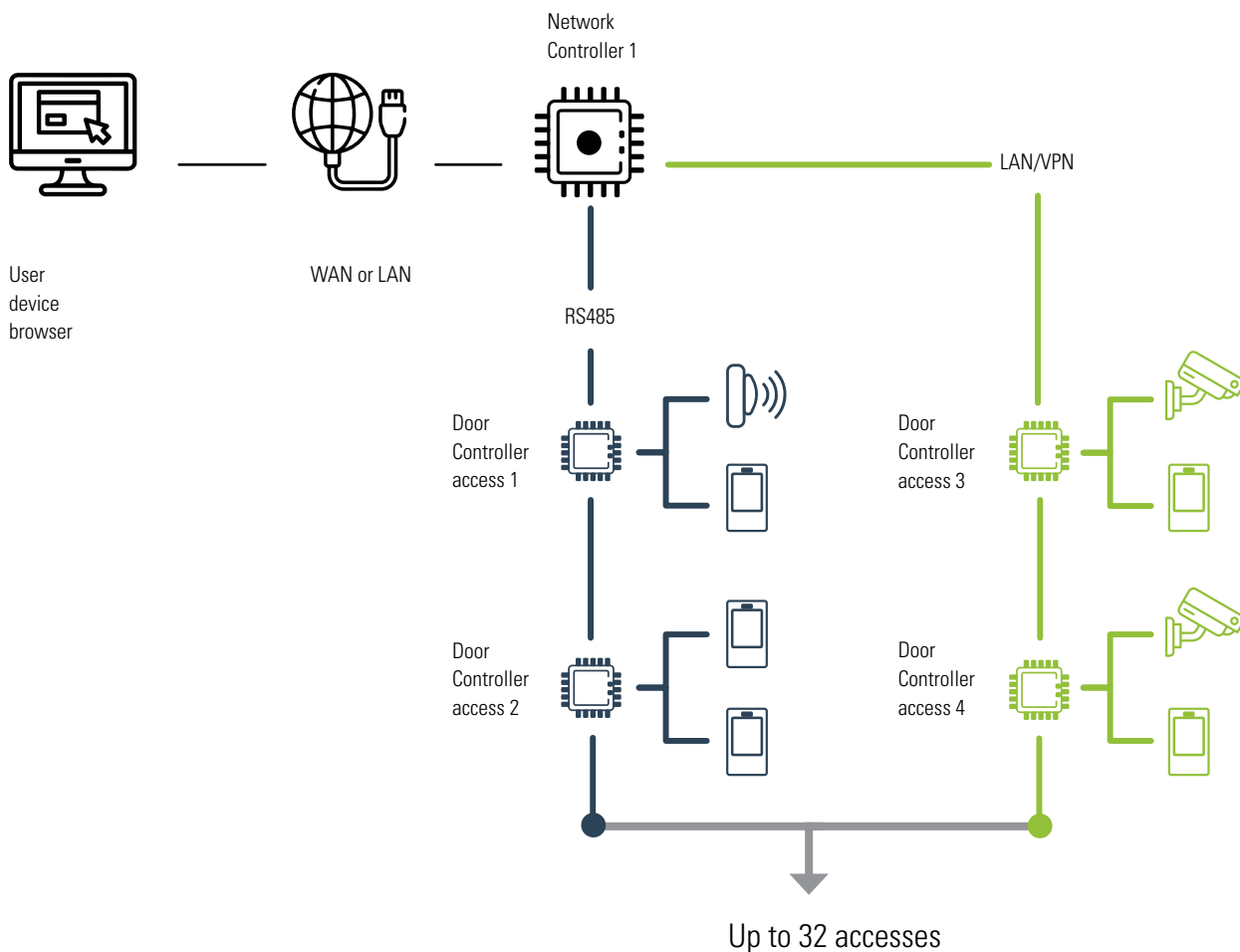
Real-time monitoring of people
present
in the building/headquarters



SYSTEM ARCHITECTURE

EASY&EMBEDDED

Network Controller 3 - up to 3 accesses
Network Controller 32 - up to 32 Accesses



KEYDOM

KEYDOM
IS FLEXIBLE

EASY&EMBEDDED

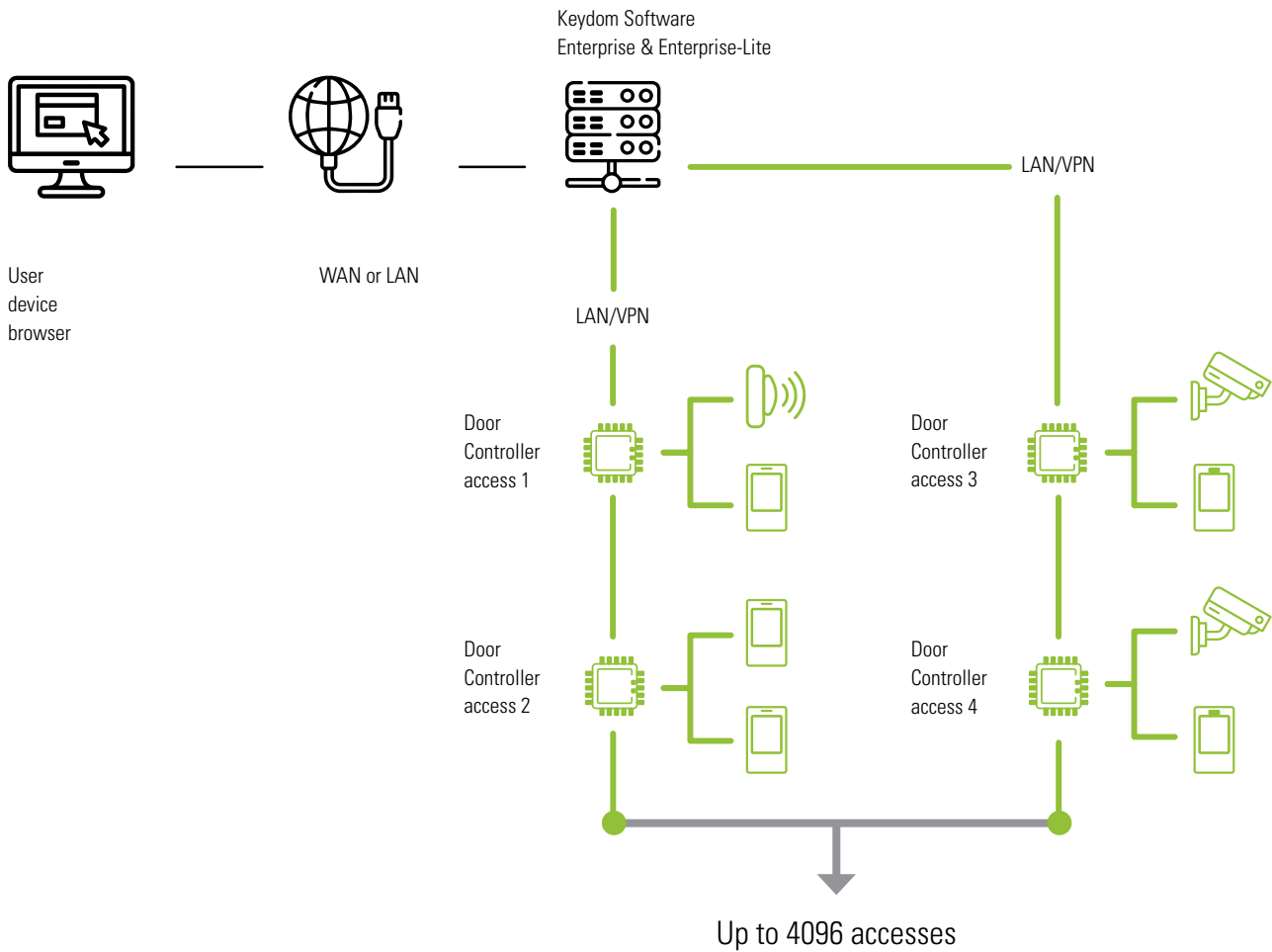


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The extreme scalability of the system allows different architectures to be used according to your needs; if they change over time, the system will adapt to them, always making the initial investment worthwhile.

ENTERPRISE

Enterprise Lite Software - up to 72 accesses
 Enterprise Software - up to 4,096 accesses



ENTERPRISE



KEYDOM

HARDWARE

Designed and manufactured entirely by FAAC using state-of-the-art technology.
The Core of the entire KEYDOM access control system lies in the powerful and compact System-On-Module (SOM) Network Controller unit.

Network Controller

Concentrates data, configurable
via a Browser



PREINSTALLED
EMBEDDED SOFTWARE

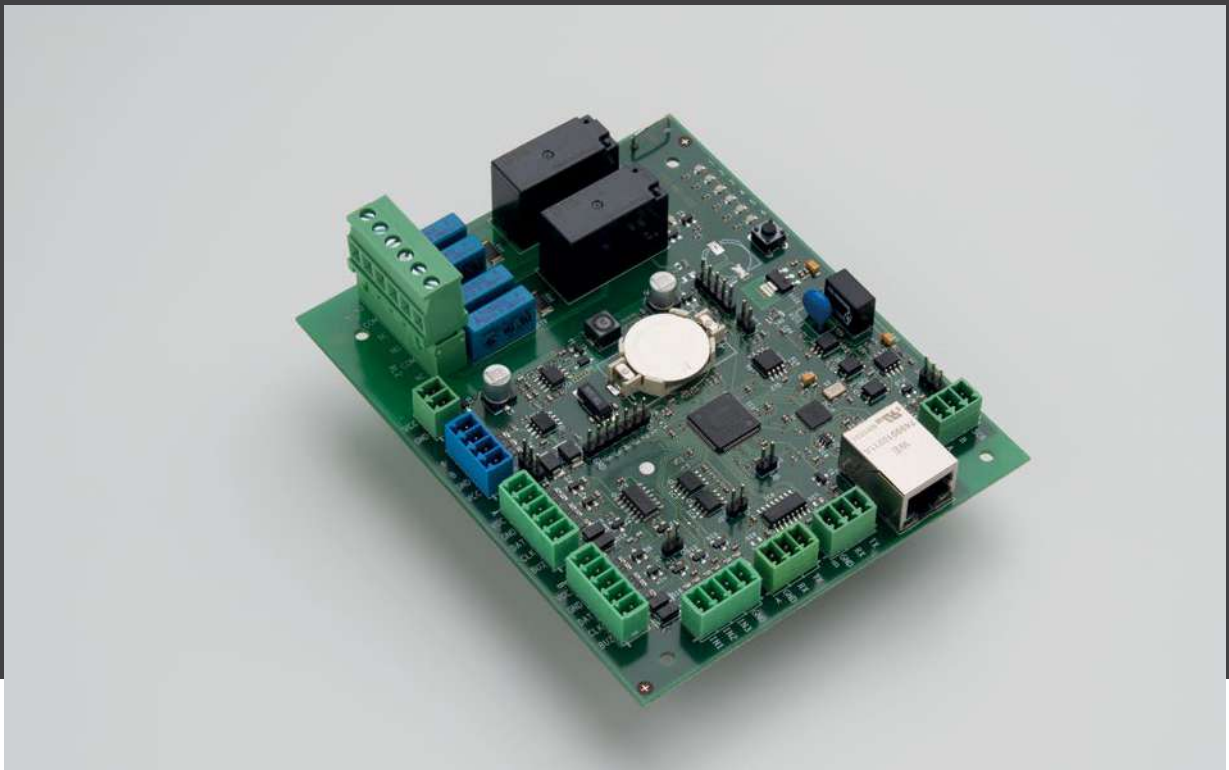
- "System on Module" (SOM) based
- 1 Ethernet port 10/100 Mb
- 2 RS 485 ports
- Number of users = Max 200,000
- Power supply - 11-15 Vdc
- Plastic case (accessory)
- Case dimensions: LxHxD 204x85x265
- Board dimensions: 132x110mm
- Operating temperature: -20 - +55°C

The "Door Controller" has been designed to make all input / output connections much easier by optimising wiring.

The Door Controller can manage readers with multiple communication protocols.

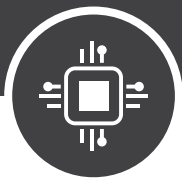
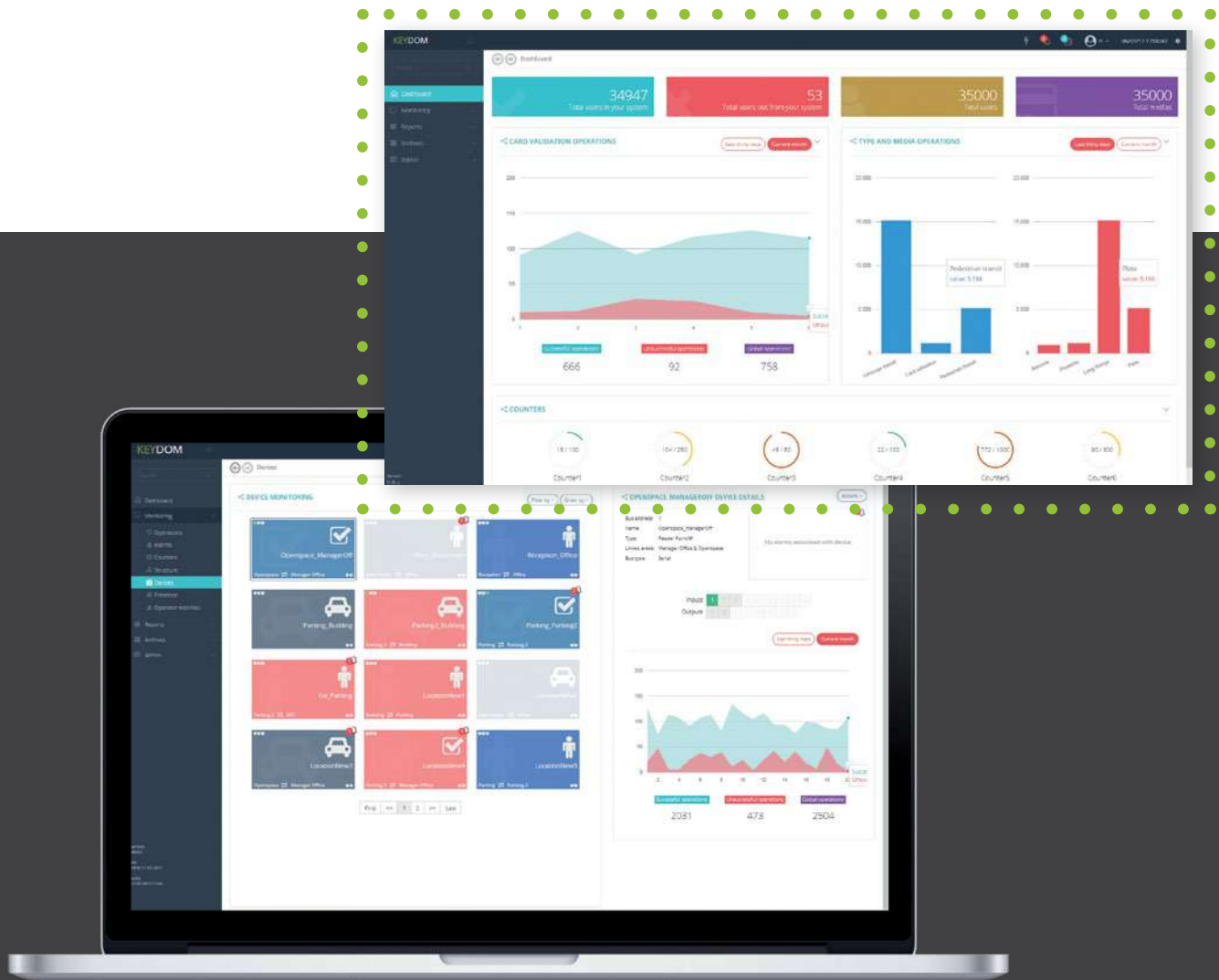
Door Controller

Bidirectional access controller,
manages 2 Readers (Entry / Exit)



- 2 relays 250vac 10A (NO and NC)
- 3 inputs (door status, exit button, 1 auxiliary)
- Expandable with optional board (4 inputs and 4 outputs)
- 1 bidirectional bus for 2 readers (also R/W technology).
- 2 Wiegand / magnetic stripe ports for commercial readers
- 2 RS232 ports for commercial readers (e.g. Barcode)
- 1 Ethernet port 10/100 Mb or 1 RS485 port
- Max 50,000 users (off-line)
- Max 8,000 events (off-line)
- Battery for RTC, cards and events
- Power supply - 11-15 Vdc
- Plastic case (accessory)
- Case dimensions: LxHxD 204x85x265
- Board dimensions: 132x110mm
- Operating temperature: -20 - +55 °C

SOFTWARE



EMBEDDED SOFTWARE

The software is already installed and included in the Network Controller management system. Just switch it on and configure the required functions.



ENTERPRISE SOFTWARE

Software for physical or virtual X64 server architectures. Same UI as the embedded version to ensure the same UX.



WEB-BASED

The entirely web-based software structure means that just one, even mobile, device and a web browser is all you need to access and manage the KEYDOM system.

THE APPLICATION IS ENTIRELY **WEB-BASED** AND EASILY CONFIGURED VIA A BROWSER ON ANY DEVICE CONNECTED TO THE SYSTEM.

AVAILABLE IN 4 VERSIONS:

- **Pre-installed on Network controller 3:** to manage up to 3 Accesses and 200,000 users;
- **Pre-installed on Network controller 32:** to manage up to 32 Accesses and 200,000 users;
- **Enterprise Lite for installation on Server:** to manage up to 72 Accesses and 500,000 users, also for Multisite configuration;
- **Enterprise Full for installation on Server:** to manage up to 4096 Gates and 500,000 users, also for Multisite configuration;

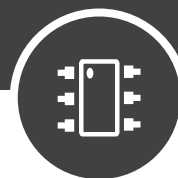
SOFTWARE FEATURES INCLUDE:

- Multi-site management in the Enterprise version;
- 7 Languages available;
- GDPR management;
- Operator and role management;
- Device status and alarms dashboard;
- Monitoring of operations, alarms, counters, devices, etc.;
- Access and operator activity reports;
- Configuration of accesses, profiles, policies and access rights;
- Action management for devices connected to the system;
- Planned activities management;
- Route management;
- Emergency assembly point management;
- Integrated visitor management;
- Automatic visitor registration form;
- Integration with other systems via APIs (Webservices);



USER-FRIENDLY

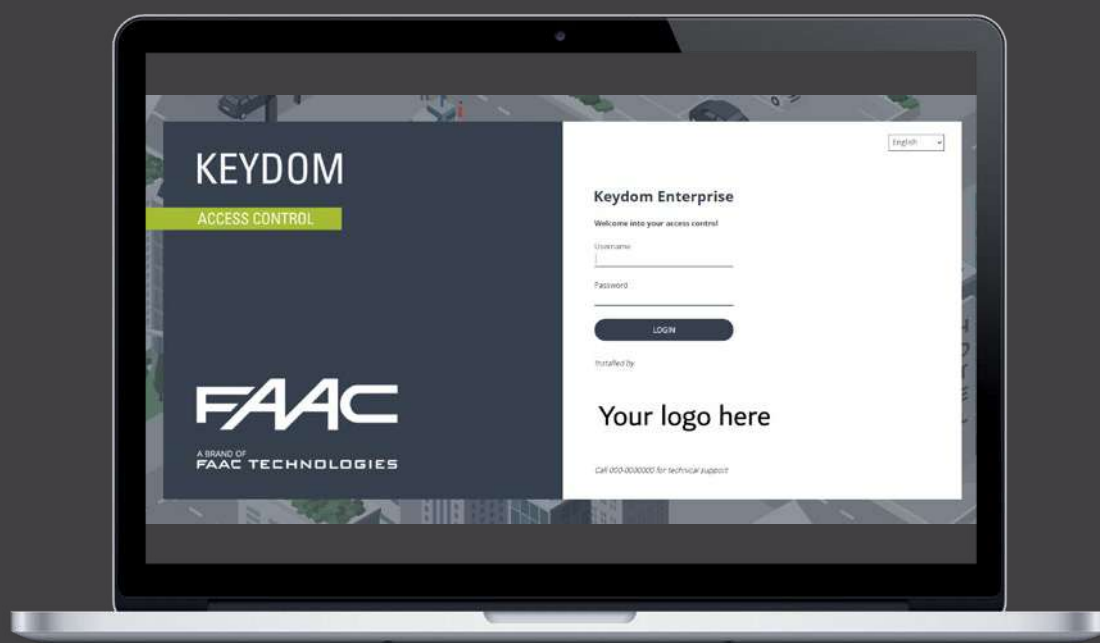
You do not need to be an expert to configure the system, simply follow the clear and full instructions on the system screens



READY TO BE INTEGRATED

The KEYDOM system has been designed to be integrated with other systems and technologies to guarantee maximum security and performance

NEW LOGIN SCREEN FEATURING THE FACILITY FOR THE INSTALLER TO ADD HIS LOGO TO THE CUSTOMER GUI.



KEYDOM



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FAAC KEYDOM is designed with the Installer in mind, to that end you can now customise the KEYDOM software log in screen to further tailor your installation and customer UI experience.

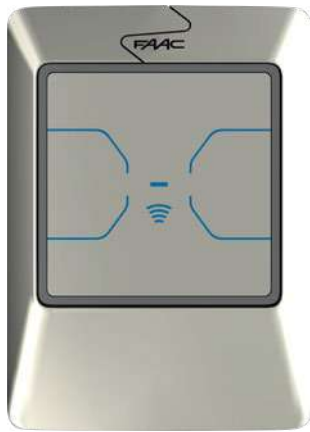
The advantage of adding your company logo (or any other personalised image or text) to the login screen will create deeper ownership of the site for you the Installer and present an even further professional appearance and experience for the End User.

Customisations of the KEYDOM log in screen includes the ability to upload an Installers logo and contact details or special instructions to the end user. For the End User this makes it really easy to contact their Installer should the need arise.

READING TECHNOLOGIES

Prox reader

XTRR



- Buzzer
- 1 bi-colour led (red & green)
- 1 bidirectional bus (for connecting to the Door Controller)
- 125 KHz or 13.56 MHz (Mifare 14443 A, Ultralight, desfire, NFC)
- Metallic case
- IP 54

Prox reader with keypad

XKPR



- 12-key metallic keypad with backlighting
- Buzzer
- 1 bi-colour led (red & green)
- 1 bidirectional bus (for connecting to the Door Controller)
- 125 KHz or 13.56 MHz (Mifare 14443 A, Ultralight, desfire, NFC)
- Metallic case
- IP 54



KEYDOM

Prox reader

XKMR

13.56 MHz



- Mini Reader for installation on door upright
- 13.56 MHz proximity reader
- Dimensions: 110x42x22 mm
- Material: ABS
- Operating temperature: -20°C to +70°C
- IP65 rating
- Vandal Resistant
- Wiegand protocol for connecting to the Door Controller

125 MHz



- Mini Reader for installation on door upright
- 125KHz proximity reader
- Dimensions: 62x34x20 mm
- Material: ABS
- Operating temperature: -20°C to +70°C
- IP65 rating
- Vandal Resistant
- Wiegand protocol for connecting to the Door Controller

KEYDOM

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Prox reader with keypad and display

XKPRD



- 16-key plastic capacitive keypad with backlighting
- 3" Graphics display
- Buzzer
- 1 bidirectional bus (for connecting to the Door Controller)
- 125 KHz or 13.56 MHz (Mifare 14443 A, Ultralight, desfire, NFC)
- Plastic Case
- IP 54

Prox barcode/QR-code reader

XKCP



- Stainless steel enclosure that can also be installed outdoors
- Precise image scanning with improved reading performance compared to linear scanners
- Digital imaging technology without moving parts, which ensures greater product reliability
- Excellent performance when reading 1D and 2D codes to improve throughput during data acquisition
- Direct barcode reading by Smartphone



Visitor info

Rossi Mario (FAAC s.p.a.)

Visited user info Verdi Giovanni

Profile info 24/7

Start date/time End date/time 11/09/2018
12:35 - 11/09/2018 23:59

KEYDOM AND SMART INTEGO BY SIMONSVOSS

THE PERFECT AND SEAMLESS SOLUTION FOR INTEGRATED
ACCESS CONTROL AND ENHANCED BUILDING SECURITY

We're a certified integration partner of SmartIntego by SimonsVoss, attesting trouble-free integration and guaranteeing the company's high quality standards

The SimonsVoss SmartIntego product Serie consists of digital locking cylinders, digital handles, and padlock components capable of reading 13.56 MHz MIFARE proximity cards.

The reader detects the cards and only allows the access to be opened after the permissions have been verified by the access control software

Advantages and Benefits of Keyless Entry Systems
managed by Keydom:

- **Simplified** wireless mechanical **installation** and cost savings
- **Maximum flexibility** compared to stand-alone cylinders/handles
- **Long lasting battery operated** - increasing sustainability and minimal power consumption
- **Full audit trail capability** - All entry and exit recorded at the handle
- **Greater visibility & control** - Centralised, digitised master key system



Elevate your building's
security with
Keydom & SmartIntego
by **SimonsVoss!**

Wireless cylinders and handles



WIRELESS DIGITAL
CYLINDERS



ADVANCED DIGITAL
CYLINDERS



WIRELESS ELECTRONIC
HANDLES



ADVANCED WIRELESS
ELECTRONIC HANDLES

Wireless locks and padlocks



DIGITAL
LOCKER

- Electronic cabinet and locker lock system
- Versatile and easy to install without drilling, it's perfect for hospitals, industrial environments, gyms, schools and more
- Enjoy customisation, quick-click assembly and design. Get durability, flexibility, and unmatched security



DIGITAL
PADLOCKS

- Protect your property with the digital padlock: you will no longer need an extra key for this lock, transponders or cards are enough
- Digital padlocks are available in manual- and self-locking versions with different shackle diameters. A securing chain prevents the padlock from being stolen or falling onto the floor. It can even record who has opened the lock at particular times

Number plate reader

READERPLATE-504MP



READERPLATE-DS-TCG



Integrated number plate recognition system for vehicle entrance management and traffic monitoring

READERPLATE-504MP

Number Plate Reading Camera up to 12m
Ideal for industrial applications, logistics hubs and managing gates with a high volume of vehicular traffic. RS232 connection to the door controller to transmit the number plate reading and subsequent validation by the Keydom system. Connection via Ethernet LAN to a network device that stores photographs of the number plates that have been read.

- Operates in any light conditions;
- OCR sensor: 2 Megapixels, Global Shutter, CMOS B/N, with frame rate of 54 Fps
- OCR lens: 5 ~ 55mm varifocal (10x zoom) with F1.4 aperture and C/CS mount
- Illuminator: 6 high power 820 nm IR LEDs that comply with EN 62471:2008 standard requirements;
- OCR accuracy: up to 99.9%;
- Protection rating: IP66
- Dimensions mm: L=83 H=130 D=410
- Weight: 3 kg;
- Power supply: 230 Vac;
- Absorbed power: 10 W max;
- Operating temperature: -30°C to +55°C;

Inbuilt protection against:

- Reverse power supply polarity,
- Voltage fluctuations greater than 30 Vdc,
- Overloads, with thermal protection,
- Overvoltages (TVs) on USB and Ethernet ports.

READERPLATE-DS-TCG

- Suitable for installations with a limited number of transits.
- RS232 connection to the door controller to transmit the number plate reading and subsequent validation by the Keydom system.
- Connection via Ethernet LAN to a network device that stores photographs of the number plates that have been read.
- OCR sensor: 1/3" Progressive Scan CMOS with frame rate of 25 Fps;
- OCR lens: 3 to 6 mm;
- Illuminator: 2 integrated IR LEDs;
- OCR accuracy: up to 98%;
- Protection rating: IP67
- Dimensions mm: 357x145x211
- Power supply: 12 VDC;
- Operating temperature: -25°C to +70 °C;

Long-range vehicle reader

AT8



Active Transponder Reader

Recommended for mixed vehicle (heavy and light) access control

- Transponder power supply with integrated 10 year life lithium battery (depending on the type of tag selected);
- Technology: 2.4 GHz;
- Range: Variable up to 10 metres;
- Maximum vehicle speed to be detected: up to 200 km/h;
- Offset frequency: Multi-channel (allows multiple readers to operate in close proximity without interfering with each other);
- Possibility of combined Vehicle and Driver recognition using a special transponder;
- Protection rating: IP66.

AT4 UHF



Long-Range Reader for 868 MHz UHF passive tags

Ideal for vehicle access control at main gates

- Enables the remote identification of vehicles fitted with UHF tags using passive battery-free technology;
- Easy to install adhesive label type UHF tags (non-removable);
- Recognition range of up to 4 metres;
- Pole or wall-mounting bracket included.
- Protection rating IP 65

KEYDOM

FAAC

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CASE STUDIES

Location: Caivano industrial area in the province of Naples, one of the largest in southern Italy.

Client requirements: 24-hour surveillance, monitoring and recording of access to the industrial area where 8,000-9,000 people with their vehicles pass through every day.



Solution: The access system to the industrial area consists of 18 vehicle gates. Each gate is equipped with a licence plate reading camera and an all-in-one vehicle column (with display and badge and QR reader). The closure of the gate is managed by FAAC automatic rapid barriers. The entire system is integrated within the Keydom access control platform.

Location: Roland Wölf GmbH – Munich.

Client requirements: secure and regulate access to sensitive areas such as the workshops or the individual offices on three different floors.

Solution: At selected points, 16 proximity card readers were installed, each assigned with appropriate access authorizations for various departments. Since then, the system has continuously expanded and is independently managed by an admin user of Wölf.



Location: Amber Women's Refuge, Kilkenny - Ireland.

Client requirements: upgrade the security and access control system on site by deploying a simple to use but highly intelligent access control system allowing full system overview across the facility in terms of user control and access rights while also paying attention to the sensitive nature of the facility's sensitive function.

Solution: With the need to eliminate the traditional locking system of bunches of keys on this site, the SimonsVoss Smart Intego range of small intelligent wireless access handles was selected. This wireless locking solution, along with the FAAC KEYDOM platform offers End Users and System Integrators compliant intelligent smart locking solution.

VEHICLE TECHNOLOGIES

Vehicle entry/exit station with ticket and card management

- Available in a single-level version for cars and a double-level version for cars and lorries;
- RAL7021 painted 430 stainless steel structure;
- 5.1" monochrome graphics display;
- 125 KHz or 13.56MHz proximity reader (MIFARE);
- Designed for use with an intercom; with call button, speaker and microphone;
- Complete with Door Controller and two-channel magnetic loop Detector;
- IP 44

VT

Built-in proximity reader in the 125 KHz or 13.56 MHz version.





VTDT

VTDT: Ticket DISPENSER with thermal printer for issuing barcode / QR code tickets + Proximity Reader;



VTRT

VTRT: Ticket READER with optical Scanner for reading QR code tickets + Proximity Reader;



VT FULL

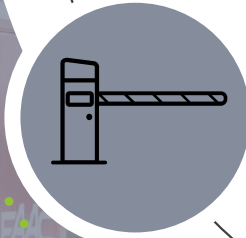
VT FULL: Ticket READER AND DISPENSER with thermal printer, Optical Scanner and Proximity Reader;



TRAFFIC AND
HIGH SECURITY
BOLLARDS



AUTOMATIC
BARRIERS



AN
SOLUTION

LL
TIONS



TURNSTILES AND PEDESTRIAN ACCESS CONTROL GATES



AUTOMATIC DOORS



HEADQUARTERS

ITALY

FAAC S.p.A. - Soc. Unipersonale
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