

SECURITY
TECHNOLOGY
CONFIDENCE
EXPERIENCE
QUALITY
SERVICE



Omnitec Systems

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OMNITEC SYSTEMS

2008 | 2023

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OMNITEC SYSTEMS has more than 30 years of experience of developing, manufacturing and marketing electronic locks, access controls, safes and minibars. It is a young dynamic company, with a highly specialised technical and commercial team and a consolidated sales network in over 70 countries; as such, today, **OMNITEC** is one of the most recognised brands in the sector, with quality and service guaranteed over 5 continents.

International subsidiaries reinforce the commercial operations of the central office located in Spain, which in turn relies on logistics platforms in Asia and Mexico to guarantee optimised delivery times for shipments to any country.

From its beginnings in the hospitality sector and following the constant growth it has experienced, it is now involved in projects in very different sectors. This experience provides the necessary knowledge to offer a range of quality products adapted to the specific needs of each sector.

experience



product range

•••••

OMNITEC offers a variety of product ranges specialising in the safety and comfort of quests, workers and users in different environments that require an access plan and ensures adequate transit operations.





ELECTRONIC LOCKS

Doors are an essential part of access control, with locks being the most critical component. Opening by proximity cards, codes or smartphones, creating audits and several passage configuration modes provide an access plan that quarantees the security of the building and its different rooms.



ELECTRONIC CYLINDER

Electronic cylinder locks with an entry reader, entry and exit reader or with half a cylinder, with RFID or Bluetooth opening. A traditional door can be converted into a smart control door quickly and easily without modify the door.



ACCESS AND PRESENCE CONTROL

Wall readers with opening by RFID, Bluetooth or code applicable for doors equipped with electric locks and access to garages and enclosures, for example. Opening, incident and presence control and audit functions.



SAFES

Safes intended for hotel rooms, offices and other environments to safequard goods or documents in the public domain. With different formats, sizes and opening systems, they adapt to the needs of any facility.



MINIBARS

Cooling technologies using thermoabsorption, absorption or silent compressor means. Efficiency, comfort and power to meet the needs of all types of hotels and accommodation.



ENERGY SAVINGS AND COMFORT

Savings of up to 60% in electricity during a stay are feasible. An adequate infrastructure of energy disconnector switches, combined with different sensors, leads to a significant saving in electricity consumption.



HOLIDAY RENTAL HOMES

Specific devices and management system for tourist apartments, rural houses, small hotels and hotels without 24-hour reception. The guest opens the building main door and his room, or home, via mobile or with a code. The owner manages quest permissions from his smartphone or pc. Simplicity, comfort and **security** with a single system.



FURNITURE LOCKS

Electronic locks for lockers, drawers, cupboards, cabinets, first aid kits and, in short, any kind of furniture for personal valuables or restricted access material.

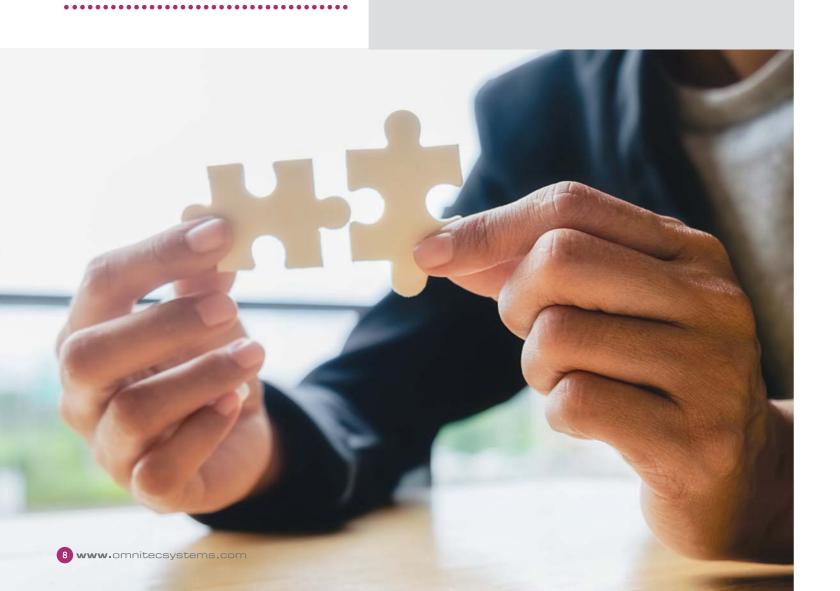


CLICK & COLLECT LOCKS

A system comprised of locks and controller board to be integrated in sets of lockers intended for parcel deliveries under the Click & Collect method.



All environments with the need to control and manage their security under an adequate access control plan have both common and individual needs. All must be addressed methodically to provide access control solutions that do not put either its members or the operation of the facilities at risk.





hotels and

Guaranteeing the **safety** and **comfort** of the guest is Omnitec's motto. Each hotel is different and individual in its own way. **OMNITEC** designs the access control system best suited to the specific needs and size of



The **Rent&Pass** system streamlines access management in holiday rental homes, replacing the traditional key with entry via smartphone or a code that expires at the end of the stay.



work areas

Controlling who, when and where users are to be granted access to areas with a high level of traffic with different roles and schedules, so as not to put the integrity of the company at risk.



educational

Educational centres, libraries, student residences or common rooms must combine security and flexibility, without compromising the ease of use of access devices.



health centres

Stays with high traffic, restricted areas and first aid kits with a high level of restriction exist side by side in hospitals and medical centres, so having **secure** systems with access history records are essential.



sports and leisure centres

Gyms, spas, sports centres, theatres and museums require a reliable and flexible access plan that offers safe access to authorised users and prevents unauthorised intrusions.



institutional buildings

From small offices to large ministerial buildings, a huge range of facilities have a common need: to quarantee the safety of the building, people and information with a system that is flexible and scalable for changing needs.



click & collect

Secure and reliable opening

devices are becoming common in the new merchandise delivery models based on blocks of lockers, where users come and collect their products with a **short-term access** authorisation.



Room access security is critical in the hospitality sector. Electronic locks with encrypted credential reading by proximity or by Bluetooth via smartphones provide the

to **OMNITEC**.

safety and comfort by providing the confidence that

their belongings are in safe custody while they are away

Having a cold drink or a snack in the room at the right time makes the difference between resting and elevating

distribution of sensors and economisers reduces electricity consumption by up to 60% without affecting the quality of service perceived by the customer.



Over 10,000 hotels have implemented the different **OMNITEC** systems and devices to guarantee the highest level of **security**, **satisfaction and comfort** for their guests during their stay.





holiday homes



simple procedures, satisfied customers

Specifying your expected arrival time or suffering unexpected delays are no has the access key for the main door, garage, apartment/room, etc. before leaving home. The customer uses his smartphone app for access and enjoys a comfortable, simple experience. To avoid possible battery or coverage problems, Rent&Pass allows entry by pin code, which the customer receives

On-line house renting platforms as short-term holiday apartments have transformed the tourist accommodation market. Remote management is now possible with the OMNITEC Rent & Pass devices and system.

Open the main building door and the apartment with a smartphone





ELECTRONIC KEY

Sending electronic keys via an app anywhere and anytime.



NUMERICAL ACCESS CODE •••

Opening via numerical code without installing an app.



REAL-TIME MANAGEMENT

Remote cancellation, blocking and deleting keys sent at any time.



AUDITABLE ACCESS

Access logging for each lock and user



ACCESS CODE MANAGEMENT

Code with custom properties, it can 2A2A2 be deleted at any time 85BG9



ALERT FUNCTION

Notification of alerts in real time, security and protection







work areas The management of an office building faces two great challenges: controlling access to the building, so that only authorised personnel can enter; and controlling access to restricted areas and information, so the company infrastructure is not compromised.





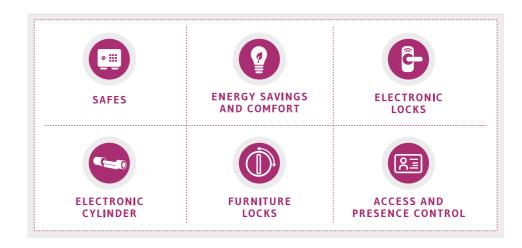
From small offices to corporate skyscrapers, businesses need to control the flow of personnel, whether internal or external, or habitual or temporary. Everyone entering for one reason or another must be controlled.

Wall readers combined with different electromechanical devices form the first line of control to manage access to the outer perimeter of the facilities (e.g. enclosures, barriers and doors).

Electronic locks, cylinder locks and keypads provide the **high level of security** required in direct entrances to the building.

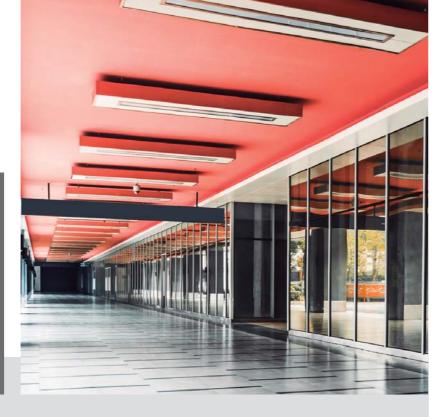
Inside the building, the access plan must be properly defined and established. Possible examples are the restricted use of lifts, using personally allocated or freely available lockers, the different rooms to which access is allowed and the privileges for the enjoyment of common areas.

Restricting access at a certain time or allowing free passage during working hours are some of the functions that **OMNITEC** locks provide.





educational environments



The coming together of large flows of people each day, many of them youngsters, forces educational centres, libraries and student residences to carefully plan their access control system. Guaranteeing the safety of people, goods and facilities requires an efficient and flexible system that does not create bottlenecks or busy passage points.











ELECTRONIC CYLINDER



FURNITURE LOCKS



ACCESS AND PRESENCE CONTROL



In complex and variable environments such as schools, access authorisation for each user can change over short periods of time. Assigning each user permission for a short period of time and updating it by passing their access token through a reader at a main access greatly increases the security of the facility. This update is done at the time of access and prevents crowding in office areas at the centres.

A critical area, such as the classroom, requires locks that can open and/or close in scheduled time ranges with access outside these hours for authorised personnel only, and an auditable record for all entries. Ensuring the classroom is not open without responsible personnel being present quarantees the security of student facilities and assets.

The same room may have different **levels of security**: e.g. access door, emergency exit, materials cupboard, student lockers, sensitive material cupboards and first aid kit. **OMNITEC** offers solutions for each of these, with specific devices managed by centralised software.



High security access control is needed for buildings dedicated to health services, with workers, long-stay patients, outpatients, visitors, external services, for example, moving around in areas with free access, high access restriction or those that are sanitised. This system, in turn, must be flexible and efficient in the face of such contrasting needs.







Hospitals, clinics, residences, day centres and, in short, any type of centre dedicated to the care of people and their health require a global solution that streamlines the flow of people and provides the necessary level of security for each stay.

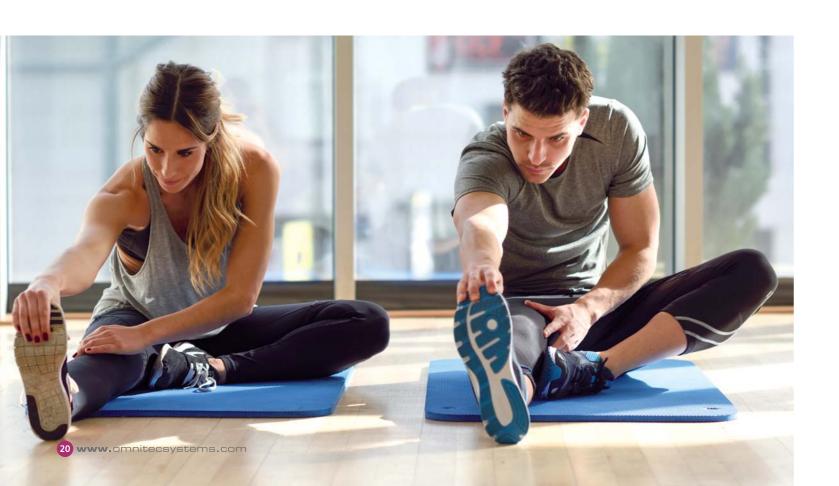
Controlling when and whomever can enter certain access points to patient rooms, consultations or offices provides the level of security necessary to ensure the safety of patients, property, facilities and confidential information.

The different applications for furniture locks mean access to cabinets, lockers, drawers, first aid boxes or treatment trolleys can be managed. RFID locks duly protect medications, sensitive health material and clinical records and the associated access to the area.

Understanding the facility as a global and highly dynamic environment, updating access credentials should be managed flexibly and conveniently. The **OMNITEC** system reader itself can update permissions for a determined period of hours, days or months when people identify themselves at the first access point.



The balance between **security and comfort** is the basis of a properly designed access plan that quarantees the integrity of users and facilities and offers a rewarding experience for the visitor. For these environments, **OMNITEC** offers highly efficient devices to prevent the system from crashing at busy periods.



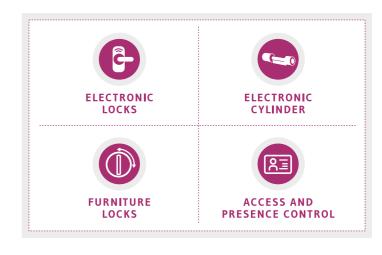
The implementation of an access control system in sports or leisure centres is generally in keeping with a paid service. The management of permissions for a certain number of visits or for a specific period of time is the basic concept of these centres; although there are establishments that require a greater level of control.

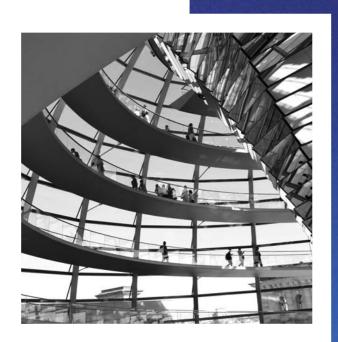
Once customers have paid to access or use the facilities, they may also be interested in additional services at their disposal and be willing to pay more for them: e.g. the allocation of lockers and access to rooms with additional costs, like a VIP room in a stadium or a class held in a fitness centre. These business dynamics require centralised access credential management for the different rooms in the facility with a unique identification code for the customer. Having a powerful and flexible system simplifies internal tasks and improves the customer's use experience without risking security and preventing intrusions.

Gyms, spas, stadiums, theatres, museums and amusement parks have to cope with entry peaks that can be assumed only by devices that quickly read credentials using the most modern and secure wireless technologies.









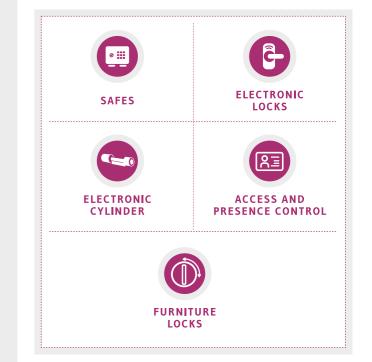


institutional buildings State, regional and municipal entities require comprehensive, multipurpose and scalable access control systems that adapt to their current, mediumand long-term future security needs.

A change of use for a building should not require the access control devices to be replaced, even with a markedly different security level change. An integrated software system with versatile devices allowing free passage and two-step identification guarantees the security and flexibility for current and future entry access plans.

The management of doors locked or unlocked according to a predefined schedule, preventing access in emergency situations that require it or where users themselves release or lock doors to rooms are some of the most valued services to guarantee security without affecting the operation or productivity of the public body.

Installing turnstiles and gates in areas with high access restrictions provides exclusive access for authorised personnel, while the presence of personnel in the building is controlled at all times.



One of the important challenges for institutions is to guarantee the safety of their facilities, workers and information. Both small citizens' advice bureaus and maximum security buildings must control who, when and how people enter so as not to compromise national security. **OMNITEC's** centralised, streamlined and scalable system guarantees the control required.









The boom in electronic commerce has driven the implementation of product delivery and/or collection systems in blocks of lockers located in public places with high traffic and accessibility. As a specialist in security and access control, **OMNITEC** offers a **technical solution** for incorporation in the locker module manufacturing process.





The new distribution model based on the delivery and collection of products in blocks of lockers located in easily accessible public places faces great security

The so-called Click&Collect systems are based on three factors: the locker structure, management software and the locks and controller boards installed in the locker.

OMNITEC offers a solution for opening and closing the lockers and recognising if they are occupied.

The locker is opened and closed by an electromechanical lock that releases/locks the door. One controller board manages up to 16 locks and enables the lock to communicate with the software managing its opening and closing.

At a more efficient locker management level, the sensor informs the system if the locker is occupied or not, and manages alerts in real time. It informs customers that their delivery is available for collection and informs the supplier that the package has been collected and the locker is free to receive another package.



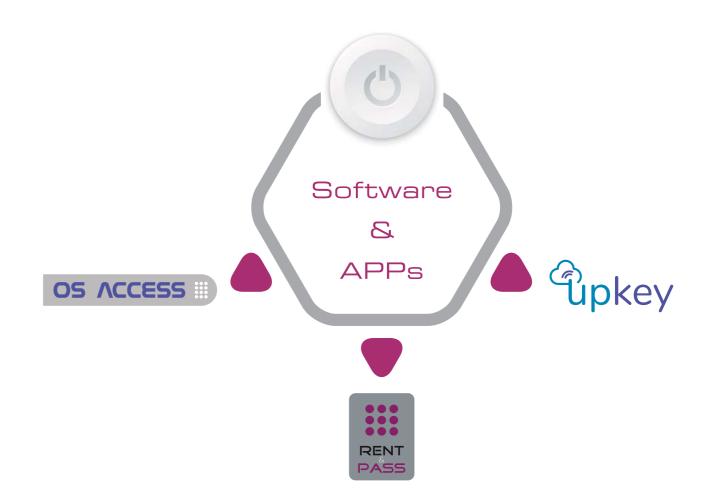




solutions

OMNITEC has developed different access management systems to meet the needs of any facility, and to simplify the management and control of access credentials for workers, external personnel, guests and customers.

OMNITEC's management systems and apps act as the backbone of a comprehensive access plan in a wide range of sectors.





adaptability & performance

The adaptability of the platform to the needs of the customer is one of the key points. The system adapts to the facility gradually, depending on the size of the access plan, the diversity of devices installed and user profiles. Its scalability means it can be modified in the future depending on customer requirements. Thus, the customer handles only the functionalities required for their facility so they can focus on their pre-established access plan and optimise their daily work.

A wide range of electronic devices means that access through external and internal doors and to individual rooms, as well as cabinet opening and presence of users, as an example, can all be controlled and audited.



OS ACCESS software

OS ACCESS is the most innovative development by **OMNITEC** that meets the most demanding technical requirements in installations and can optimise the management of facilities access credentials and security for MiFare proximity, numeric code and Bluetooth devices.

Designed to work in the Cloud from a web browser, **OS ACCESS** also offers a desktop version for a local network.





The **OS ACCESS** software is complemented by the **UpKey** app, used for the installation and management of Bluetooth locks and devices, as well as for access to the different rooms via Smartphone.

Users receive their keys on their Smartphone and can access the permitted areas using **UpKey** on their own phone.

CLOUD Server



Software installed on a secure Cloud server, which users access through a browser without the need to install additional software on their PCs.

Accessibility, maximum security and efficiency in managing access control.

Flexible Configuration

OS ACCESS offers full flexibility to configure the software to suit your business.

It incorporates pre-configured profiles for Hotels, Offices, Residences and Tourist Apartments. For all other cases, OS ACCESS allows you to configure a personalised profile by activating the system modules required for access control.



Remote Management

Performing remote daily tasks such as managing quest and employee credentials, opening records, maintenance and emergency openings are possible through connectivity via Gateways.



Staff Credentials

Establishing employee profiles streamlines and minimises the management of the access plan. Permission changes are updated for all profile members.

Specific access permissions are granted for users who do not fit into any profile.



Opening Alerts

Configures your push notifications for openings and attempted openings of certain locks or devices equipped with Bluetooth.

Online security and access control with special restrictions.



Fast Check-In

Quick procedure for creating guest cards with just 2 pieces of data.

MiFare cards, numeric codes and Bluetooth keys can be created quickly to streamline the guest check-in process.



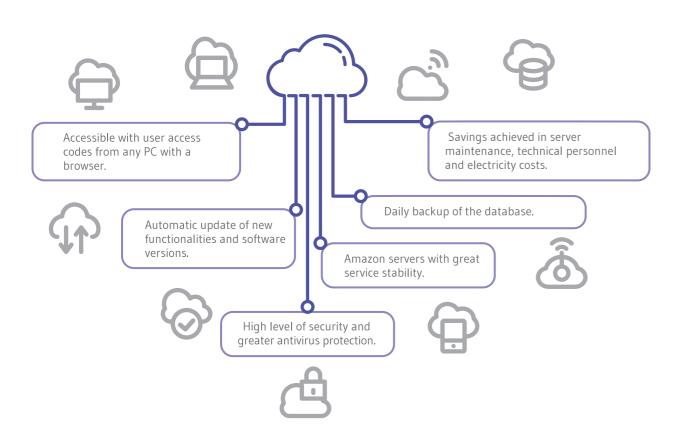
OMNI UX

Modern design with an intuitive interface, made especially with the user experience in mind. OS ACCESS OMNI UX usability allows to save time in the processes and personnel training.



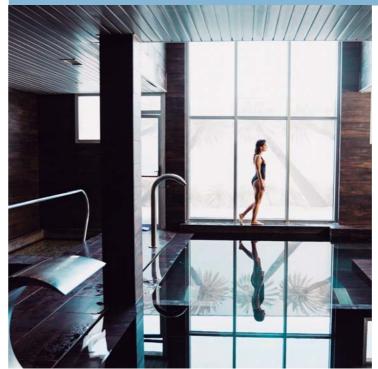
OS ACCESS

cloud server ADVANTAGES



A fundamental factor in the **OS ACCESS** development plan is the flexibility and adaptability of the system to the particular requirements of the premises.

The pre-established installation profiles for **Hotel, Offices, Residences and Tourist Apartments** cover the needs of practically all premises. However, **OS ACCESS** provides an ad hoc configuration for specific cases with particular needs.





features

- Access by browser optimises the availability, security and efficiency of the system.
- Encrypted data recording on identification media.
- Multi-user license valid for use under a Windows environment (Mac and Linux versions on development).
- **Secure SQL database** notably increasing security and providing secure access for remote technical assistance.
- Integration with any PMS on the market (Opera, Prestige, etc.), and with room management systems.
- **Uniquely coded** card encoding per installation or group of installations, limiting the use of cards that are not coded by the authorized devices.
- **Different levels of access** for different system users.
- **Scalable:** the platform gradually adjusts to the facilities, depending on the size of the access plan, the diversity of installed devices and user profiles. Users manage only those functionalities required in their facilities, allowing them to optimise their daily work.



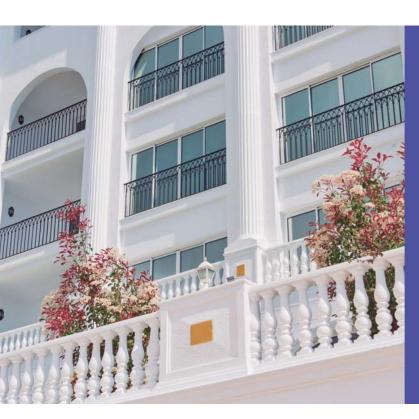


OS ACCESS

OS ACCESS profiles

Ad-Hoc

Starting from a minimum, essential basis for access management operations, **OS ACCESS** allows modules to be added or removed according to the specific requirements of certain business models with very particular access control needs.

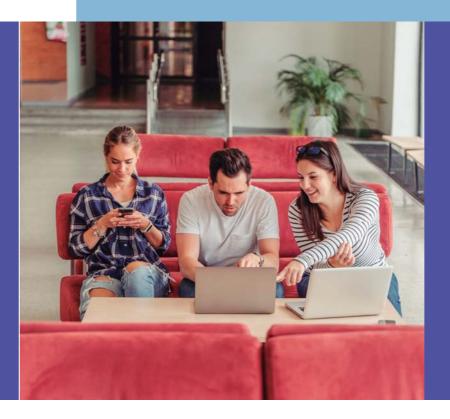


Hotels

Management of the access plan for employees, external personnel and guests; prioritising speed in managing the latter, given the high turnover and the numerous entries and exits every day.

The Fast Check-In function provides quick registration of guest to minimise waiting times at reception upon arrival.

Audit lists, battery level query and locking, as well as other functions, are managed from reception and the administrator's mobile phone.

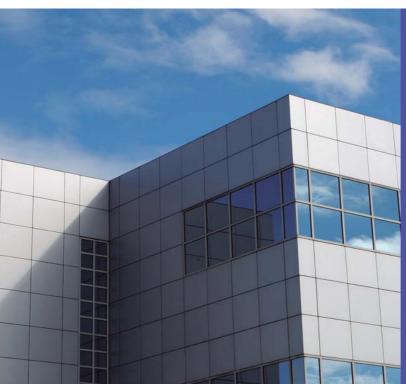


Residences

There are two different profiles in residences: Firstly, for internal or external workers who are managed similarly to any other work environment; secondly, for the residents themselves, who are generally long-stay users, with different requirements to those of office workers or tourists in guest houses.

OS ACCESS provides centralised information for all devices: their status (open/closed), battery level, access/event auditing of the locks and access controls.

To help in the control of residents in nursing homes, **OS ACCESS** provides a daily report of openings for the rooms and for other devices.



Offices

An access plan for offices and work environments requires additional functionalities to the access control itself, which is more typical of human resources than of a security plan.

Employees are divided into profiles to assign common access permissions. When the latter are modified, all employees with that profile are updated at the same time.

The movement of workers and visitors is managed centrally in **OS ACCESS** by establishing restricted access, according to working hours and holidays, or by movement sensors recording entry and exit.



Holiday Apartments

There are two different operating and access management types for tourist apartments: for those concentrated in self-contained buildings, which require management similar to that of a hotel; and for consisting of a high number of apartments scattered over different buildings, cities or provinces.

The online connectivity of **OMNITEC OS ACCESS** devices provides access management for both business models, from a single point with full and immediate control of credentials.

OS ACCESS

ON-LINE connectivity

The incorporation of the **OMNITEC Gateway** into the hotel infrastructure converts Bluetooth electronic locks into online devices.

Having an online connection via WiFi, ethernet or 4G, the Bluetooth locks, safes, cylinders, access controls, etc. **transfer all recorded events to the Cloud and can be managed remotely.**



ON-LINE features

- Audit trail
- Remote opening from Front-Desk or via administrator smartphone
- Battery level control

- Access credential management
- Date / Time update
- Opening alerts

upkey

The **OMNITEC UpKey** app works in addition to the **OS ACCESS** software in access management.

UpKey turns your Smartphone into an access key, a programmer command for installation and maintenance, and a remote integrated management platform for the access plan.

The combination of **OS ACCESS** software, **UpKey** app and Gateways gives a **multitude of possibilities in managing the access plan**, both in person and remotely, and provides an immediate response under any circumstances.

absolute control and management

For safer access management, **UpKey** works under 3 user profiles:

- **User:** You can access to the stay, garage, locker, etc. or open the safe with your Smartphone, after receiving the corresponding eKeys.
- **Employee:** You have access credentials for you to open and perform daily maintenance on all devices for which you have active credentials.
- Once the commissioning of the facility is complete, control of locks, access control and safes are transferred to the administrator.
- **Administrator:** For full control of the access plan; controls and manages all devices and access credentials for the entire facility, for both employees and users.





door



door & safe



upkey employee







options







Rent&Pass Pass brings simplicity, convenience and security, both for the owner and guest, with online management.

The **Rent&Pass** system manages access permission to the house, or room, in the periods rented. Similarly, if the guest requires a cleaning or maintenance service when leaving, the owner can grant permission for a certain time slot to the person performing the task.

APP as Management Software

owner









CONFIRMED BOOKING

STAY

END OF STAY

STAY

guest

END OF STAY

Generates and sends the electronic key and the access code for the quest.

Can cancel any key and/or code at any time.

Entry report.

Sending electronic key and/or code to maintenance, cleaning or laundry personnel, for example.

Receives the key and code on their smartphone.

CONFIRMED BOOKING

Can open the main door to the building and the apartment, or room, with a code or with their smartphone.

The key and code expire on the date and time stipulated in their rental conditions.

security and control without travelling

The **Rent&Pass** system allows the owner to send the guest electronic keys and codes to access the apartment, main door to the building, garage and any other area that can be controlled with a wall access system. The keys and codes can be cancelled and deleted at any time from the administrator platform.





RENT & PASS app

The **OMNITEC Rent&Pass** app has been developed for access management in all establishments that do not require server software such as Os Access or SmartPass, owing to their size.



Sending electronic keys via an app anywhere and anytime

NUMERICAL ACCESS CODE

Opening via numerical code without installing an app

REAL-TIME MANAGEMENT

Remote cancellation, blocking and deleting keys sent at any time

AUDITABLE ACCESS

Access logging for each lock and user

ACCESS CODE MANAGEMENT

Code with custom properties, it can be deleted at any time

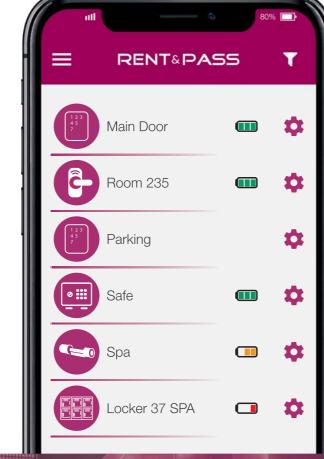
ALERT FUNCTION

5BA5B

2A2A2

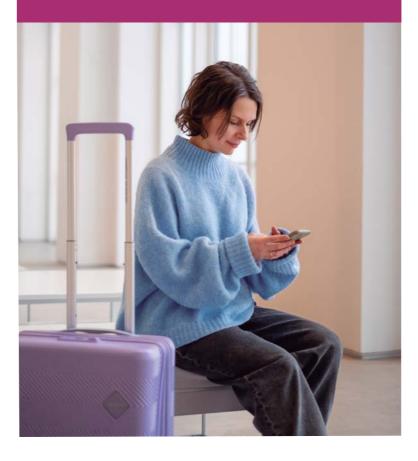
85BG9

Notification of actions in real time, security and protection





Small hotels, hotels without a 24-hour Reception, rural tourism accommodation, offices, coworking, etc. You will find the management and maintenance tool in **Rent&Pass** that best suits your business; offering remote management from a Smartphone or tablet.



Rent & Pass PRO

Rent&Pass has a **PRO** version, developed for all those owners who want to carry out more advanced management in their establishments.

In addition to all the normal **Rent&Pass** functions, the **PRO** version incorporates:

- Check-In: For the registration of users/guests, with start/end times and dates, and a rapid assignment of devices for which credentials are granted.
- Calendar: Displays user credentials in a day/week calendar format with direct access to Check-In to expedite management tasks.
- Staff: For management of staff credentials. In addition to start/end times and date access management, staff can be given permanent access or classified according to their different user profiles and roles.



ON-LINE connectivity

The **OMNITEC Gateway** converts Bluetooth electronic locks and Bluetooth access controls into online devices.

operation

The online **OMNITEC** system operates by double connectivity: Bluetooth and **Wi-Fi / PoE / 4G.**

Devices → Administrator

Electronic locks and access controls send the information via Bluetooth to the Gateway. The Gateway, through a network with internet connection, sends all the information received to the server to make it available for the administrator.

Administrator → Devices

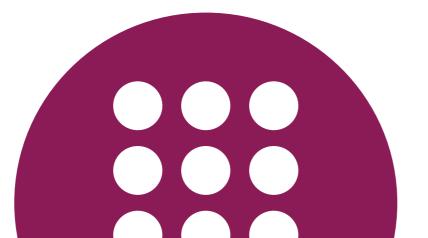
The online functions the administrator executes remotely from their PC or Smartphone are transmitted from the server to the Gateway via Wi-Fi, and channelled via Bluetooth to the locks, access controls and safes.

When the administrator Smartphone and the lock or access control to be managed are within the Bluetooth range, they communicate directly via Bluetooth and transmit the information without using the Gateway or Wi-Fi.

To implement an online system, a Wi-Fi network, locks, access controls and/or safes with Bluetooth connectivity from **OMNITEC** are essential.

on-line functions

- Audit trail
- Remote opening from Front-Desk or via administrator smartphone
- Battery level control
- Access credential management
- Date / Time update



GATEWAY WiFi



With an online connection via Wi-Fi, the locks and access controls transfer the recorded events to the Cloud, through the Gateway, and devices can be managed remotely.

features

- Bluetooth range: up to 10m
- Network: 2.4G Wi-Fi
- IEEE standard: 802.11 b/g/n
- Connection: USB Type C
- Power: 5V/500mA DC
- Dimensions: 70 x 104 x 18 mm

GATEWAY PoE



he Gateway PoE shares all the functions and operational ability of the Gateway WiFi. In this model there is a different method of connection with the router, which connects via a RJ45 cable.

The cable provides network connection and electric power to the gateway, allowing simpler and stabler installations.

Requires the router/server to be PoE in order to supply power to the gateway.

features

- Network: Ethernet-RJ45
- IEEE standard: 802.3 b/g/n
- Bluetooth range: up to 10m
 Connection: USB Type C
 - Power: 5V/500mA DC
 - Dimensions: 70 x 70 x 26 mm

GATEWAY 4G



Designed for premises in remote areas without a router/server connection.

The 4G Gateway uses a SIM card to communicate with a server via 4G connection to send all the information from locks in real time.

features

- Bluetooth range: up to 10m
- Network: 4G
- Connection: Micro USB
- Power: 5V/500mA DC
- Dimensions: 110 x 110 x 36 mm



	MANAGEMENT			OPENING		
	os access iii)	Server SMARTPASS	RENT	CARD	*	CODE
EVO	•		•	•	•	
SLIM	•	•	•	•	•	
SLIM CODE	•	•	•	•	•	•
GAUDI I FIT-IN	•	•	•	•	•	
FLAT 2	•	•	•	•	•	•
X-CLUSIVE		•		•		
X-RP 2	•		•	•	•	
MINI	•	•		•		
ANTI-VANDALISM	•	•		•		
INUP	•	•		•		
DIGIT	•	•	•	•	•	•
OPAK	•	•	•		•	
LIFT	•	•	•	•	•	

The quality that ensures the customer satisfaction

International Experience





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