Robust, convenient, secure digital access control for hospitality businesses
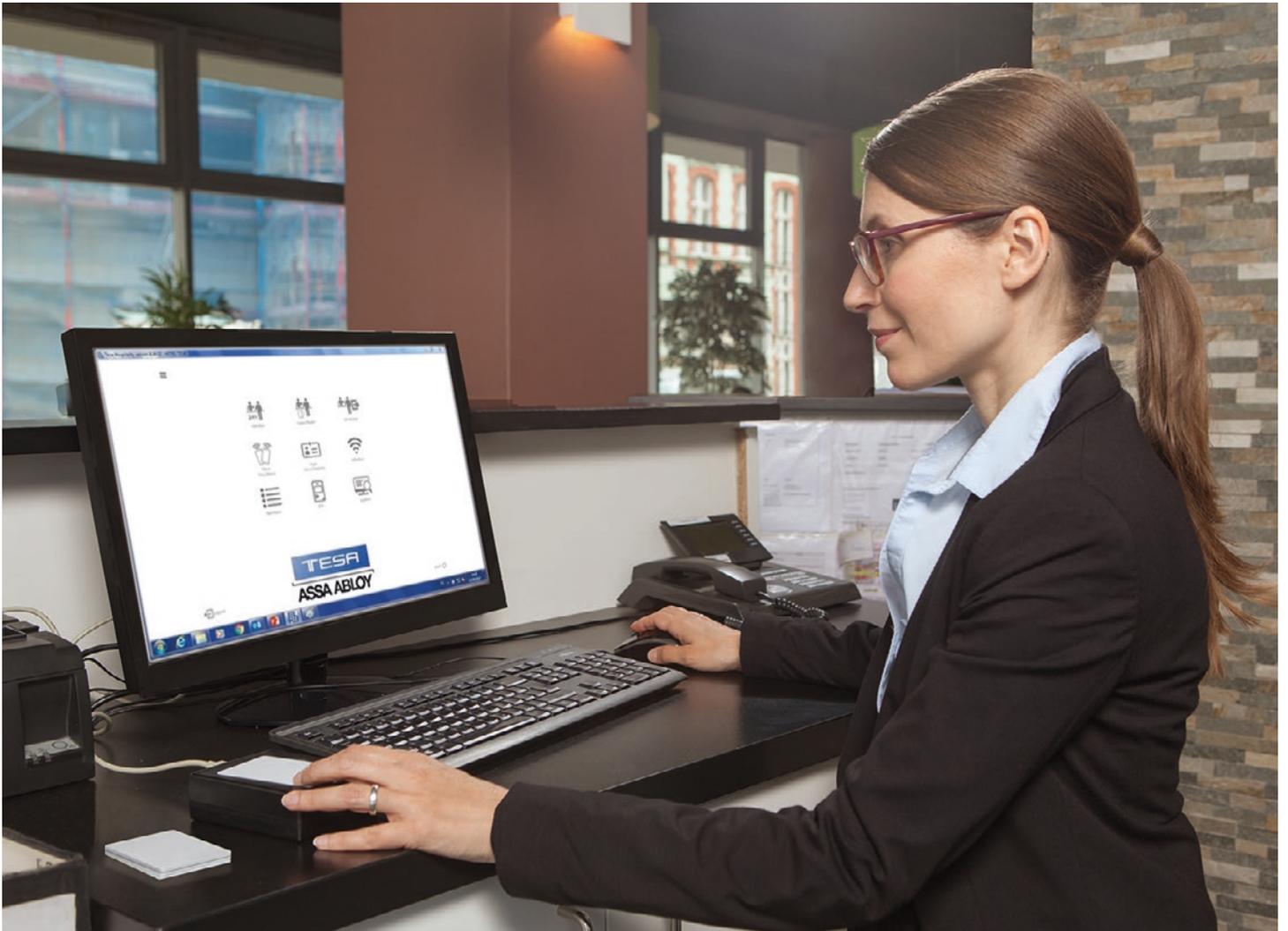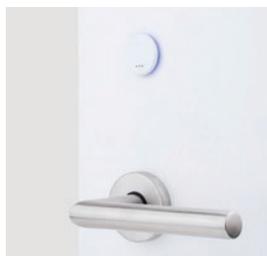
TESA
ASSA ABLOY

Experience a safer and more open world

Why choose TESA ASSA ABLOY?

*The broadest range of mechanical and
electronic solutions for any application*

Access control

Available in 2022

Common access points, cabinet locks, escape routes and emergency exits

Room / reception equipment


Other doors

Check-in

Make it easy to manage and maintain your access control

TESA Hotel Software
· Check-in, pre check-in, check-out for guests
· Master cards for hotel staff, and also copies of the cards
· Card reading: identification of users
· Audit trail: a log of every opening / closing registered by locks, cylinders, wall readers and safes
· Special cards: door blocking card, programming card, fail safe card, high traffic cancelling card, lost safe PIN card and safe master card
· Audit: a register of every operation performed by the software. Listing of doors: by floors, buildings, blocks, etc. Types of doors: rooms, suites, common access, access control, safes and high traffic
· List of users: by groups or individually User personalization
· Different levels for operators. Customized according to each hotel's requirements
· 30 time zones with five time periods 255 calendars
· Multi-operational modes (free access, first user, double user, PIN, etc.)
· Matrix: enables all the previous information to be cross-referenced, in order to decide which users are given access to which doors, on which days and at what times
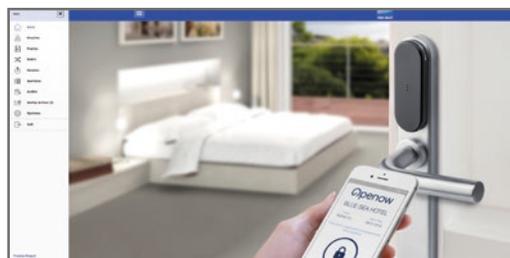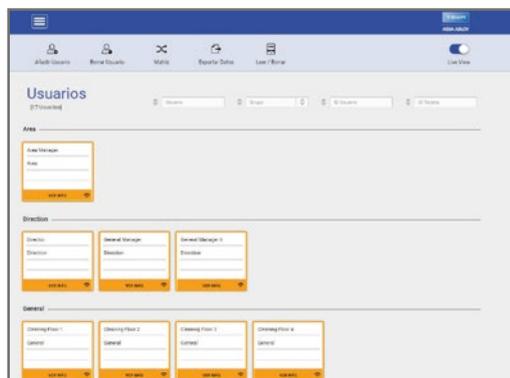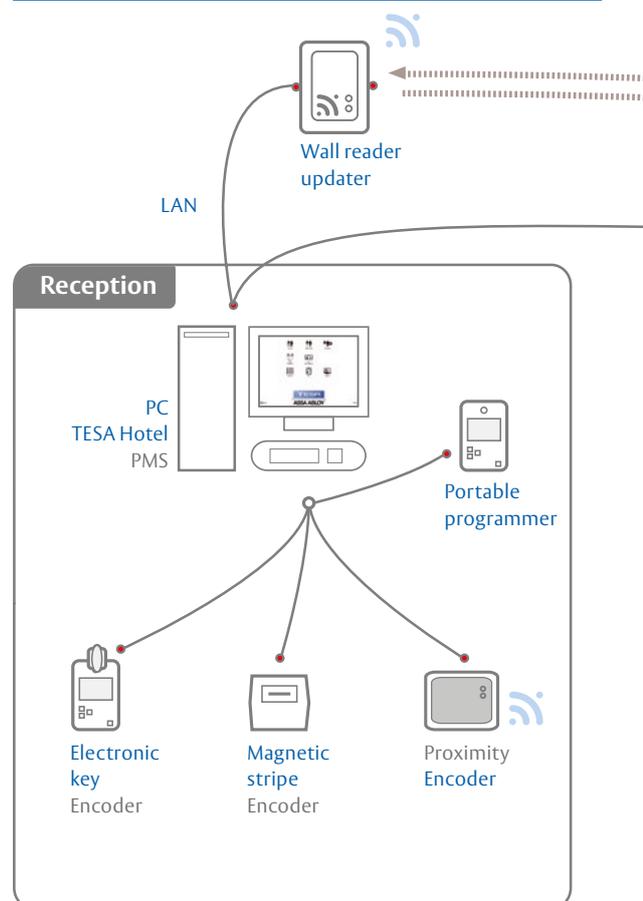
Reading and Writing (R/W)
· Create a virtual online wireless network between the locks (R/W) and the central system through updaters
· It collects events registered in the locks by reading the card: optimum management of staff activity (access attempts outside assigned times and shifts, etc.)
· Battery level control with no need to test the lock
· Express cancellation: The locks automatically cancel any cards lost by users
· Guests can extend their stay and be given access to communal areas without needing to go through reception

Web check-in
Thanks to this new function, facility managers can program RFID credentials using the card editor and web manager, without the need to install TESA Hotel software on their computers. Accessible from any Internet browser on any device (laptop, tablet, smartphone, etc.). The perfect solution for facilities with multiple locations.
SOAP integration.

Wall reader updater

LAN

Reception

PC
TESA Hotel
PMS

Portable programmer

Electronic key
Encoder

Magnetic stripe
Encoder

Proximity Encoder

Portable Programmer (PP)

Once the programme has been installed, it will initialize the locks and transmit the hotel's access plan.
In case of emergency, it can activate opening depending on each authorization level.
It can also update the lock in case of time changes, etc., and also detect operating problems.
It receives the register of events from locks (up to 1,000 per lock).

RFID Proximity Encoder

It records each user's information in the credential's chip (cards, wristbands, etc.) and reads the existing data.

Motorized Encoder

It reads and writes on the three tracks of the Magnetic Strip. It allows programming instructions for locks (track3), POS terminals (track2) and intelligent energy saving devices (track1).
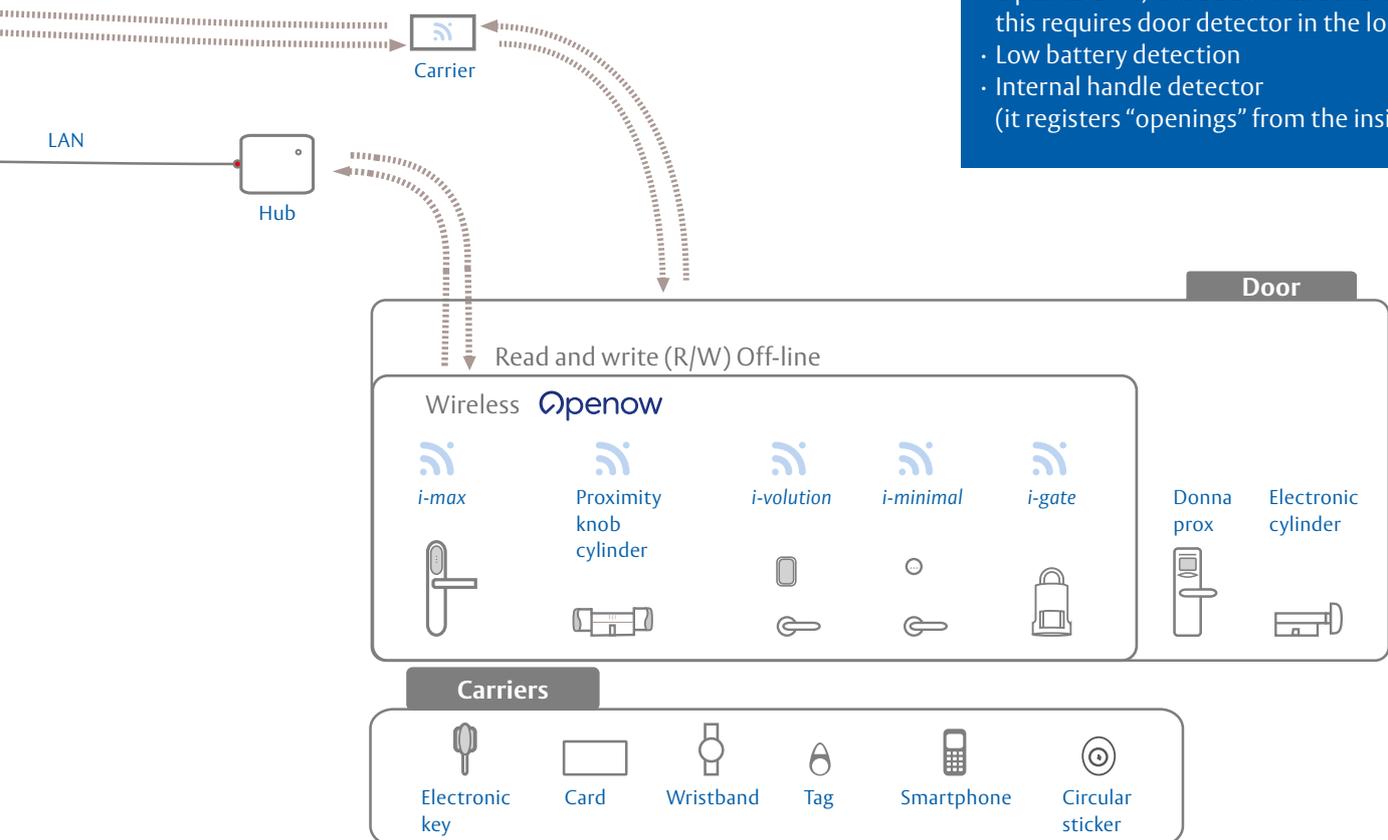
Online wireless locks and wall readers

Locks and wall readers work like online RFID devices but without the need to wire the installation. Locks and software communicate in real time, instantly recording all information from locks:
· User access
· Non-authorized opening attempts
· Opening attempts outside of schedules and shifts, guests' access to hotel commodities
· Remote report of locks with low battery level

Any change made in the software database is updated in real time:
· Giving access to users and guests
· Denying access to users and guests
· Remote opening from the software
· Remote recording of internal handle activation
· Remote activation of pass mode
· Time setting

Software alarms:
· Wandering intruder: 3 attempts with the same card in different locks in less than 1 hour
· Standing intruder: 3 attempts with different cards in the same lock in less than 1 hour (i.e. lost cards)

Alarms warning:
· In the software and via e-mail
· Opened door, closed door and Intrusion; this requires door detector in the locks
· Low battery detection
· Internal handle detector (it registers "openings" from the inside)

LAN

Carrier

Hub

Door

Read and write (R/W) Off-line

Wireless Openow

i-max

Proximity knob cylinder

i-volution

i-minimal

i-gate

Donna prox

Electronic cylinder

Carriers

Electronic key

Card

Wristband

Tag

Smartphone

Circular sticker

Online wireless technology, without the need to wire locks

Online wireless technology
Online proximity locks with all the advantages of a real online system but without the costs of wiring the installation.

The locks and software communicate in real time, instantly recording all information stored in the locks and updating any change made in the software database.

Hub

Reception

| Proximity cylinder | i-max | Wall reader | i-volution | i-minimal | i-gate |
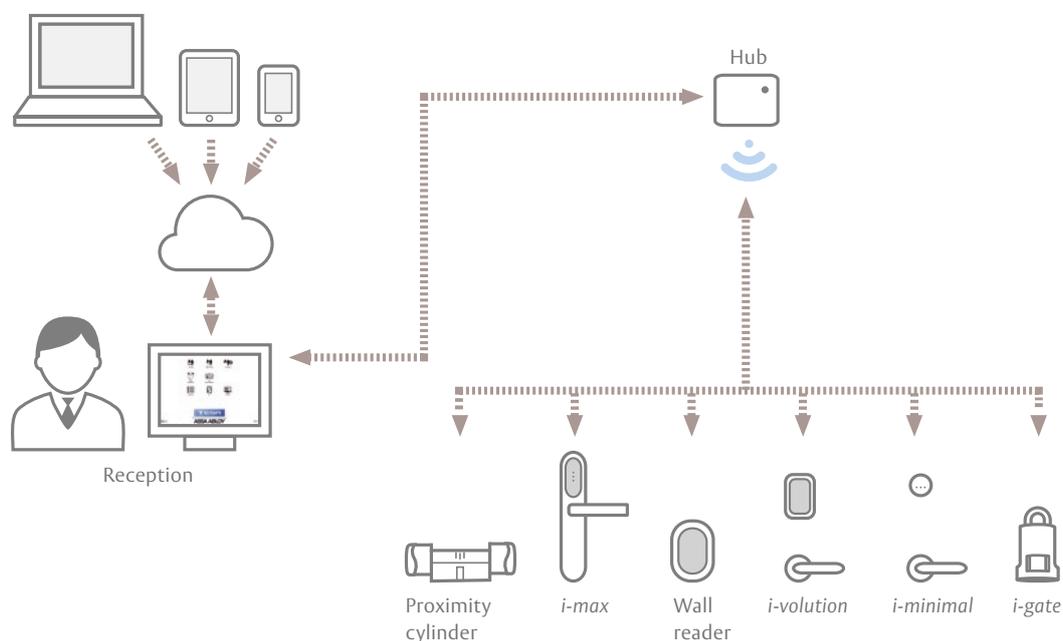
Smartphone keys
Users automatically receive a virtual key from the system via an app downloaded to their smartphones, enabling them to open their door. Access permissions will only be valid during the guest's stay. Also valid for the use of hotel / installation staff. Enables remote lock opening.

Openow:
Turn your smartphone into your hotel room key

Smartphone keys
Keys and cards are a thing of the past. Thanks to this app, guests and hotel staff can access rooms and other hotel doors for which they are authorized through their smartphones, using Bluetooth® low-energy technology. These access permissions may be managed in real time by hotel staff.
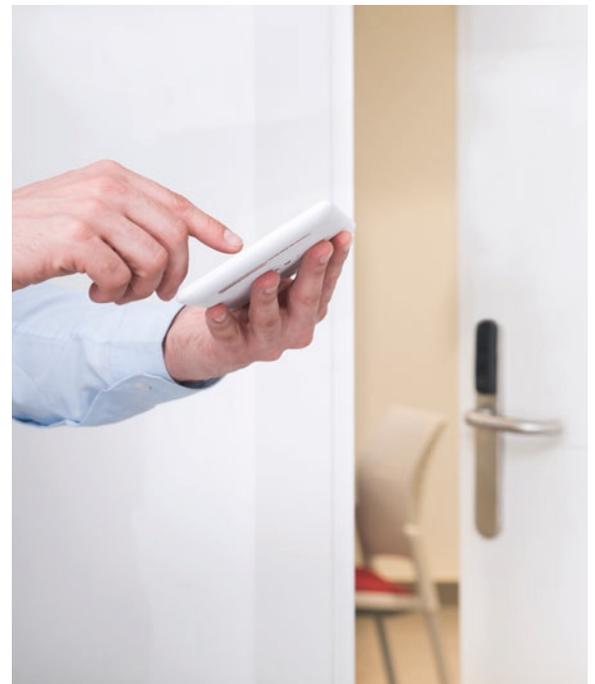
Advantages for hotel staff
· Sustainability: avoiding cards reduces carbon footprint considerably, and generates cost savings for the hotel
· Avoids 24/7-duty reception staff for card turnovers
· The app key can be cancelled in real time
· Customizable with hotel/chain logo
· Enables room changes
· Late check-out

UoC advantages
Available Openow Reading and Writing:
· Collect all events in real time in an offline system
· Add / delete new users without any need to reprogram locks
· Modify the access rights of existing users
· Trigger alerts in the software and via email

Advantages for guests
· Prevents reception queues. Once the date of stay at the hotel arrives, the necessary access permissions are automatically activated on their smartphones. Should another access permission be required, it may be requested without going to reception
· Prevents worry about the loss of keys/cards
· Check-out is automatic. Once the client's hotel stay ends, hotel access automatically disappears from their smartphone

Donna lock.
Security and flexibility

Identification technology

· Proximity: Reading and Writing Locks (R/W): collecting of events, card cancellation, updating of the locking plan, battery level, etc. with no need to use a portable programmer, using only the card or any credential
· It can be integrated with other applications that employ RFID proximity technology according to the ISO-15693 and MIFARE™ CLASSIC ISO-14443 A standards
· The credential that opens the door may come in several formats: card, tag, wristband, etc
· Encrypted coding of data onto the card
· Can be integrated with other applications or TPV, recording ISO codes on tracks 1 and 2 for use on the same card

Electronic and mechanical security

· Latch with 17mm projection
· Optional: ADB lock with automatic deadbolt projection: the deadbolt is always projected automatically, double security
· The handle turns freely when access is not authorized
· Optional: hidden emergency cylinder
· EXTREME (optional): waterproof model capable of resisting all climatic conditions
· The lock is protected by sealing joints; its parts come with an anticorrosion finish, tropicalized circuits, an internal draining system, CM, CR, PVD finishes, etc

Adaptability
· Easily adaptable to all kinds of doors, whether a new door replacing the lock on an existing door

Design
· Standard with TESA ASSA ABLOY logo. Optional: customize with the hotel's brand image
· A wide range of handles and finishes to fit in with the hotel's style
· TESA ASSA ABLOY is not responsible for possible design changes regarding the photographs presented in the catalogue

Donna with panic bar
Complies with UNE-EN 1125 and 179 standards

Models
· Donna: standard
· Donna Extreme: waterproof
· Donna Retrofit: refurbishments
· Donna for glass doors

Handles

| Hermes | Jerez | Kira | Arko |

| Sena | Toledo | Granada | Barcelona |

| Flare | Vector |

| LP Polished Brass | LM Satin Brass | CR Satin Chrome | CM Satin Chrome |

| LA Antique Brass | LPD Polished Brass - PVD | LMD Satin Brass - PVD | NE Satin Brass |

Mortise locks

| EURO / ADB | ANSI | SLIDING |

| TUBULAR (3500 o CIP) | TUBULAR + BOLT (CIT) | TPB / TAB |

Accessories
· Wall readers (see page 15)
· Safes and cabinet locks (see page 16)
· Energy saving devices (see page 17)

i-max, a small change that changes everything

Modern security, outside and in

The new *i-max* electronic lock is a completely new access control device.
Now with a more sophisticated design, multiple finishes and an extra-resistant locking mechanism, *i-max* is perfect for environments in which intelligence, design and functionality are paramount.

Practical and convenient
· The EN1906 certificate (grade 4 category of use) guarantees protection against misuse
· Designed for optimum security in smart environments with high traffic and multiple access points and events
· Compatible with PIN check-in, enabling guests to directly access their room without having to visit reception
· Compatible with mobile phones through the Wireless or Openow app

i-max lock with keypad
· Enables guests to access their rooms directly using a personalized PIN code, thereby avoiding the need for round-the-clock reception staff. Compatible also with RFID proximity cards, as well as with smartphone opening using the Openow app
· PIN opening: The system can automatically send the guest an email with the keypad PIN code to access their room and common areas. The PIN code can be cancelled automatically upon check-out
· Smartphone opening: TESA Hotel software can automatically send a virtual key providing access to rooms and common areas to guests' or hotel staff smartphones, using the Bluetooth-enabled Openow app
· Extremely hard-wearing locking mechanism (EN1906, grade 4 category of use)

Technical features

· For wooden or glass doors, metal profiles or sliding doors
· Volume of traffic: medium-high
· For outdoor use: IP56 (Extreme version)
· Humidity: up to 85% without condensation -20° and +70°
· Battery operated (between 75,000 and 105,000 cycles max.) 2 years on standby
· Battery type: 3 LR03 AAA 1.5V alkaline batteries
· Multi-authentication: Card + PIN, only PIN, only card
· Certificates: CE (EMC, R&TTE), ROHS, REACH, WEE, EN1634 (Fire). EN1906 with grade 4 category of use
· Compatible mobile solutions: Openow™ (Bluetooth Low Energy) and TESA (remote opening app)
· Scalable management system: the electronic locks can be updated from Self-programming > Reading and writing > Wireless Online

MIFARE™ CLASSIC   MIFARE™ DESFire™   SKIDATA   iCLASS by HID
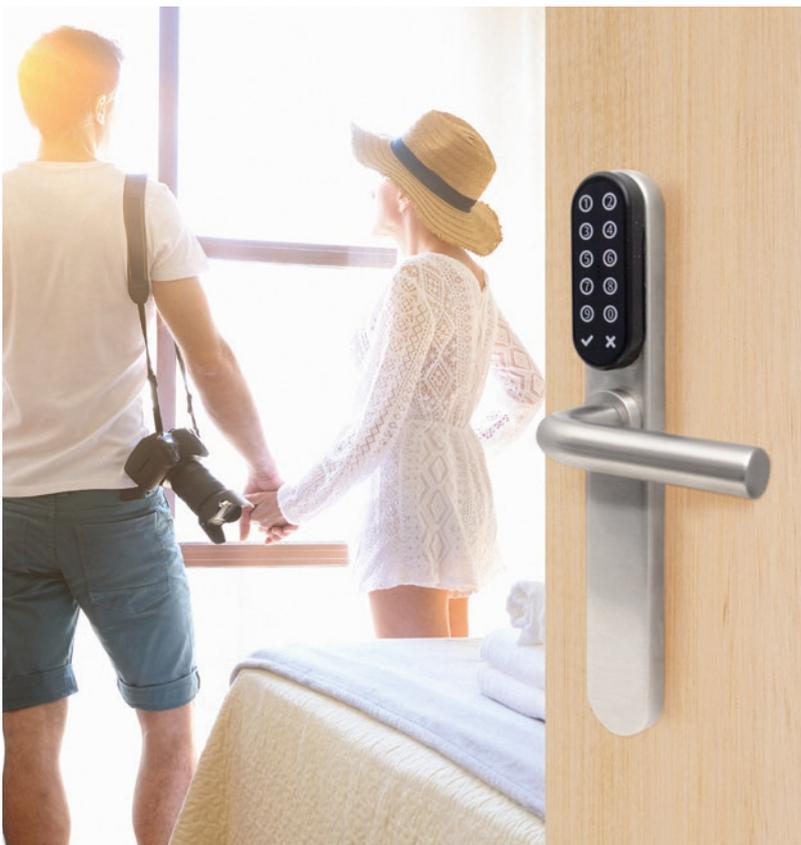
Models
· *i-max*: RFID proximity lock
· *i-max*: proximity lock with keypad

Hermes   Hermes

Handles

Sena   Vector   Cubo   Xara

Zafira   FSBE

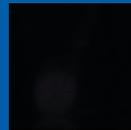## Finishes

IS Inox   LPD Polished Brass - PVD   LSD Satin Brass-PVD   LA Antique Brass

MA Charcoal   NE Black   CM Satin Chrome   CR Polish Chrome

BL White

Mortise locks

EURO / ADB   GLASS   SLIDING   ANSI

TUBULAR (3500 o CIP)   PANIC BARS   ALUMINIUM PROFILE   TPB / TAB

Accessories
· Wall readers (see page 15)
· Safes and cabinet locks (see page 16)
· Energy saving devices (see page 17)

i-volution and *i-minimal.*
Design and minimalism combined with technology

i-volution.
Maximum security with the very latest design
An electronic lock capable of meeting the most demanding security requirements without compromising on design. Can be integrated into all TESA Hotel access control systems, from the simplest to the most advanced.
Can be combined with a wide range of handles and is available in 4 different finishes to adapt to the décor of any hotel.

i-minimal.
Minimalist design combined with cutting edge technology
Beauty, intelligence and design combine to offer a unique solution.
The most comprehensive access control solution on the market, it combines the advanced features of an access control lock with the security of an electromechanical one and a minimalist design that reduces the aesthetic impact on access points.

Full door control
· Internal sensors that control doors left open, incorrectly closed and intrusion monitoring
· Record of emergency cylinder openings

Identification technologies
· RFID: MIFARE 14443A. Security: card information protected and encrypted
· Smartphone solution for opening locks (BLE technology): Openow app
· Remote smartphone opening solution (internet): TESA HOTEL app

Emergency cylinder
· Can be installed with an optional mechanical cylinder that enables the user to open the door in an emergency
· It records emergency openings in the lock's opening auditor

· The most advanced technology
· Smartphone opening
· Careful minimalistic design
· Secure encrypted communications
· Total wireless online control
· A wide range of finishes and handles

A single platform, TESA Hotel, and two systems: Read&Write or wireless online.Easily upgradable to wireless online model.

· Collect events stored on the locks
· Battery status monitoring
· Access modification without lock updating
· New user registration without lock updating
· Express card cancellation

Available in 2022

Technical features

Reader module
· Identification technology: contactless MIFARE™
  CLASSIC or ultralight 13.56MHz RFID chip.
  Blue and red operations LED. Buzzer for signal
  confirmation
· Low battery signal
  (in real time over wireless system)

Control module
· Non-volatile memory (1500 openings)
· 30 time shifts
· 20 status changes in operational mode
  (block, free access, etc.)
· 255 calendars, automatic DST
· 3000 users

Battery module
· Three AAA alkaline batteries LR03 1.5V
· Estimated autonomy: 105,000 (wireless model)
  and 80,000 cycles (Read&Write model) or 3
  years on standby approximately
· Batteries easily changed, solely from inside the
  room, with no need to unmount the lock

Lock
· The motorized clutch in the mortise lock
  activates the outside handle. When the lock
  is closed, the outside handle turns freely to
  prevent forcing
· Auto deadbolt: 2.54 cm
· Panic function: On turning the inside handle,
  the door opens even when automatic bolt and
  electronic privacy are activated
· May be installed on door widths of between
  30 and 140mm

Operating conditions
· Humidity: Up to 85% without condensation
· Outside temperature between -20°C and 70°C
· Interior between 0°C and 50°C
· Fire: Lock certified fire-resistant for 60 minutes
· Certificates: CE (EMC, R&TTE) / ROHS, REACH,
  WEE / IP56 / EN 14846 / EN12209 / RF60

Handles
TESA ASSA ABLOY offers a wide range of
compatible handles to install in any style. In
addition, other handles on the market can be
installed subject to DIN (consult for other handle
models).

Vector	Cubo	Xara	Tundra

Sena	FSB	Zafira

Finishes
A variety of finishes: allows for black or white-
finished outside reader, with black, white, chrome
or brass finish ring. The different combinations
allow the lock to adapt to any decor style, whether
modern or classic.

The fastest, easiest way to add access control. Just replace a mechanical cylinder with the Proximity knob cylinder

Openow

New model
· More robust
· Ergonomic and cutting-edge design
· More choice of finishes

RFID proximity technology
It offers all the benefits of electronic locks in the format of a standard mechanical cylinder.
R/W and RFID proximity technology allows you to improve the management of the access control system, enabling collection of events, card cancellation, locking plan updating, battery level, etc. All without using the portable programmer, using only a card or credential.
Thanks to Openow BLE, a mobile solution based on BLE (Bluetooth® Low Energy) technology, physical credentials are replaced with a virtual key sent directly to the client's smartphone, offering the same features without the need for physical key handover.
The wireless knob cylinder also offers all the benefits of online proximity locks with the advantages of a real online system but without the cost of wiring the installation.

The only access control system combining electronic and mechanical cylinders

C-Tec: Identification technology

Reading and Writing contact chip (R/W):
collecting of events, card cancellation, updating of the locking plan, etc. All inside the electronic key, with no need to use a portable programmer.
Great storage capacity and data protection. Up to 1,500 users – it can register the latest 1,000 events.
Option to have a small key with a proximity chip compatible with other proximity devices on the platform.

NEW

Seamless security
i-gate, the wireless electronic padlock with IP68 protection, is a battery-powered locking device.
In addition to high resistance to physical attacks, it also has a watertight outer casing to provide protection against the elements.
Compatible with all online and offline TESA Hotel management systems.
Can use RFID credentials, Openow virtual keys or the TESA Hotel remote opening application.

Security for every opening

Openow

Spy
wall reader

Spy with keypad
wall reader

Spy design
wall reader

Wall reader
updater

TESA ASSA ABLOY offers you security at each and every access point in your hotel, integrating the most sophisticated antiburglar device.

Wall readers. For your peace of mind
In order to make premises safer, you can place wall readers on perimeter doors, parking lots, lifts, health areas, swimming pools, both internally and externally.

Features
Non-volatile memory: it can register the latest 1,000 events. Up to 2,000 users per reader. Available in all technologies: RFID proximity according to the ISO-15693 and ISO-14443 standards A MIFARE®. Reading and Writing (R/W).

MIFARE™ DESFire™   **MIFARE™ CLASSIC**   **iCLASS by HID**   **SKIDATA KUDELSKI GROUP**

Operational options: offline (autonomous), online wired using the Wall Reader Updater and online wireless, without any need to wire the installation. Compatible with Openow.
Available with a relay plate, two relays or eight relays for installation in lifts for up to 40 floors.
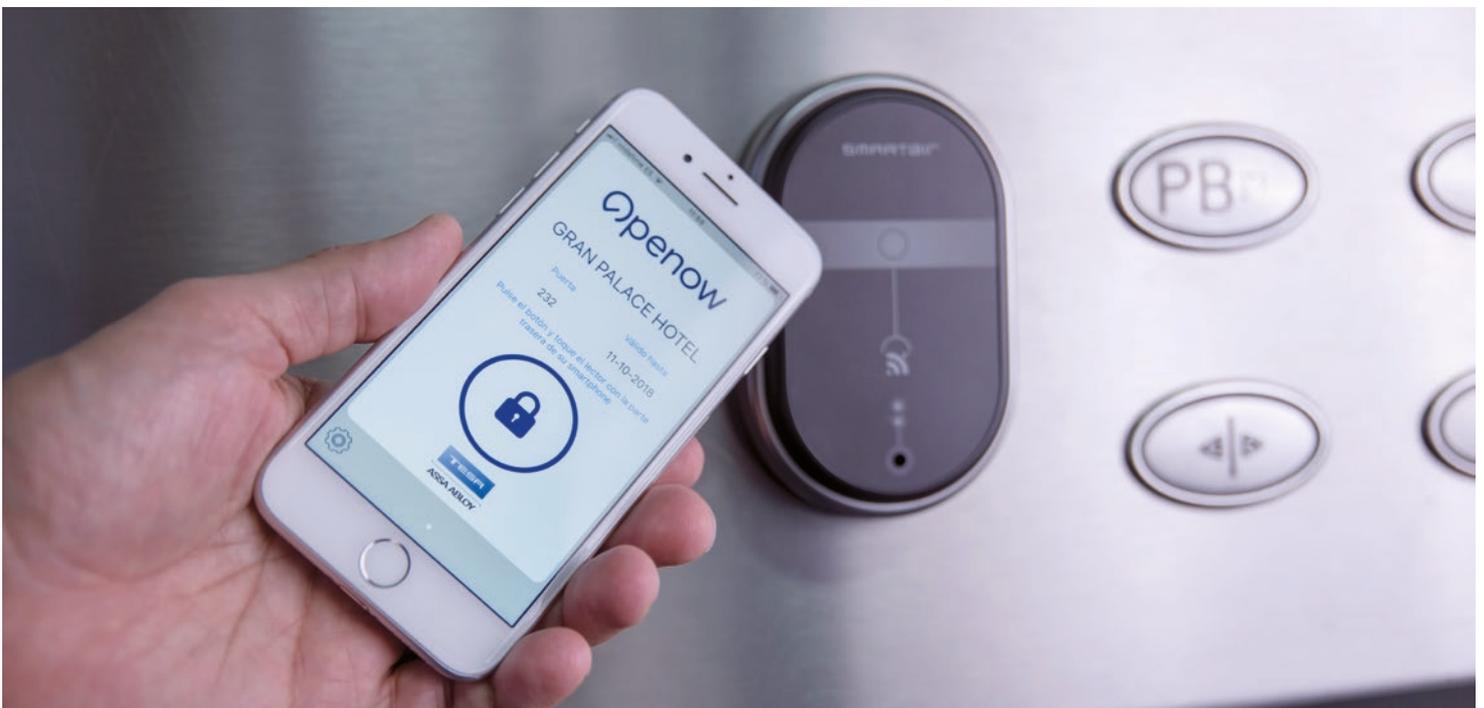
The strong range

Safes. Internal security
· Display for easy code entry
· Motorized opening and closing
· Laser-cut door, with optimized adjustments to prevent the safe from being levered off
· 2 anti-drill 17 mm locking bolts
· No wires: 4 standard AA batteries
· Low battery indicator on display
· Anticorrosion finish, tropicalized circuit
· Carpeted inside
· Emergency opening with a card or a portable programmer
· Outside dimensions of the safe: 200 (high) x 430 (width) x 350 mm (long)
· Right side opening
· Non-volatile memory
· Register of the latest 1,000 events
· Audit of events
· Matt black colour
· Door width: 6 mm, body: 2 mm

Models
Keypad: the display makes it easy to enter codes. A register of up to 1,000 openings and/or opening attempts.
Magnetic Card + Keypad. Double security and double the advantages. If you want maximum security, choose a safe that combines card + PINpad. The hotel manager can decide whether to charge a guest for use of the safe.
Proximity credential + Keypad. As with the Card + Keypad safe, it provides double security and the option to charge a guest for use of the safe. With all the advantages of MIFARE™ Classic proximity technology.

Cabinet locks. Peace of mind for your guest

The ideal solution for a hotel's gym, sauna, swimming pool, spa, wellness, ski cabinets, etc.
One credentia allows the guest to move freely around the hotel: bedroom, common access areas and gain access to safes, energy savers and cabinet locks.
Everything is managed from one single management platform. Option to install cabinet locks without management devices.
Available in RFID proximity technology according to ISO-14443 A standard MIFARE™ CLASSIC.

Two models, one solution:

e-motion locker with opening and timetable control

Motorized cabinet lock. Two operating modes:
· Fixed mode (hotel guests use the same card as their room assigned to a cabinet lock). More than one user can open the same cabinet lock (skistorage, families…)
· Free mode (one card can be used at any free open cabinet lock). It can be programmed for automatic opening, at a fixed time

e-motion Locker:
Enables event recording as well as shift and use timetable programming.

Saving and cost efficiency at every level

Advantages
· Energy saving: estimated reductions of up to 40% in electricity consumption when the room is occupied, and no consumption at all when it is empty
· Electricity and air conditioning are switched off automatically when the guest leaves the room
· Courtesy time: It allows a "courtesy time" from the moment the guest removes the card
· Intelligent: It operates only with cards belonging to your hotel; it doesn´t work with any other type of card from outside your hotel's system

Off-line energy savers
It incorporates different technologies: Magnetic Strip or RFID proximity ISO 14443A MIFARE™ Classic standard.

Option of simple energy savers; these do not distinguish if the card belongs to the installation.

Cardless energy server
This device controls and manages electrical installation of the room without the need for a card. The energy saver is hidden in the room's electrical panel; and works jointly with a volumetric sensor and a door sensor, detecting the presence of people in the room as well as opening/closing of the door.
This way, power in the room turns on when people are inside and turns off when the system no longer detects anybody.

Wireless online energy savers
Using gateways, wireless online energy savers tell the central system in real time whether there are guests or maids in the room and enable effective monitoring of room temperature.
They can also turn off the air conditioner or heater when the client is not in the room (even having left the card inserted in the energy saver) or when opening the door or window (requires motion sensor and/or door/window sensor).

Volumetric sensor

Door sensor

Embedded volumetric sensor

Embedded door sensor
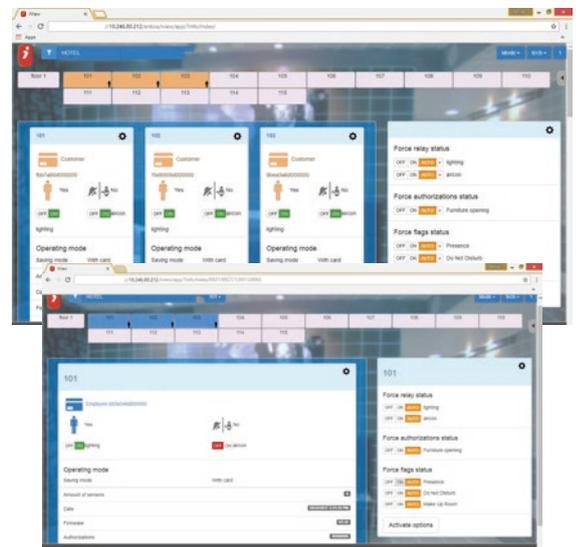
ID TESA document reader

Document reader. Check-in your guests in just one second, no more queuing in reception
Easy, quick and efficient solution for capturing and processing documents in reception.
No more queuing in reception. You can do the reading in less than one second, with a specific device that avoids agglomerations. Elimination of filing costs.
ID TESA captures, reads and sends document information automatically to the management program (PMS).

Ideal solutions for emergency exits

Universal mode

TOP mode

QUICK mode

LITE mode
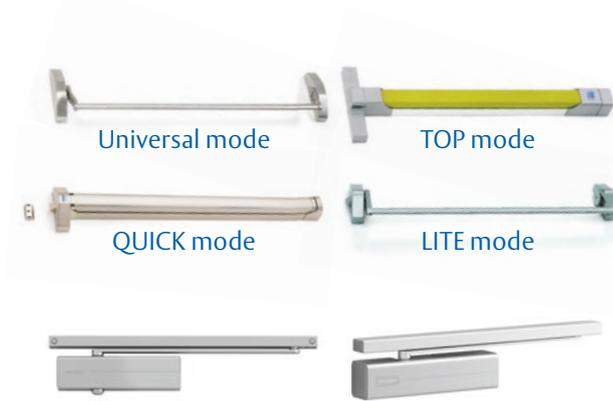
Perimeter and common access
Emergency exits with electronically controlled external access.

Door closers
The NBE-CPI/96 standard requires that all hotel rooms are securely closed with door closers bearing the European EN-1154 certificate.

Check-in by PIN solution

It is no longer necessary to have reception staff working 24/7, or to be present when handing over keys to holiday apartments.
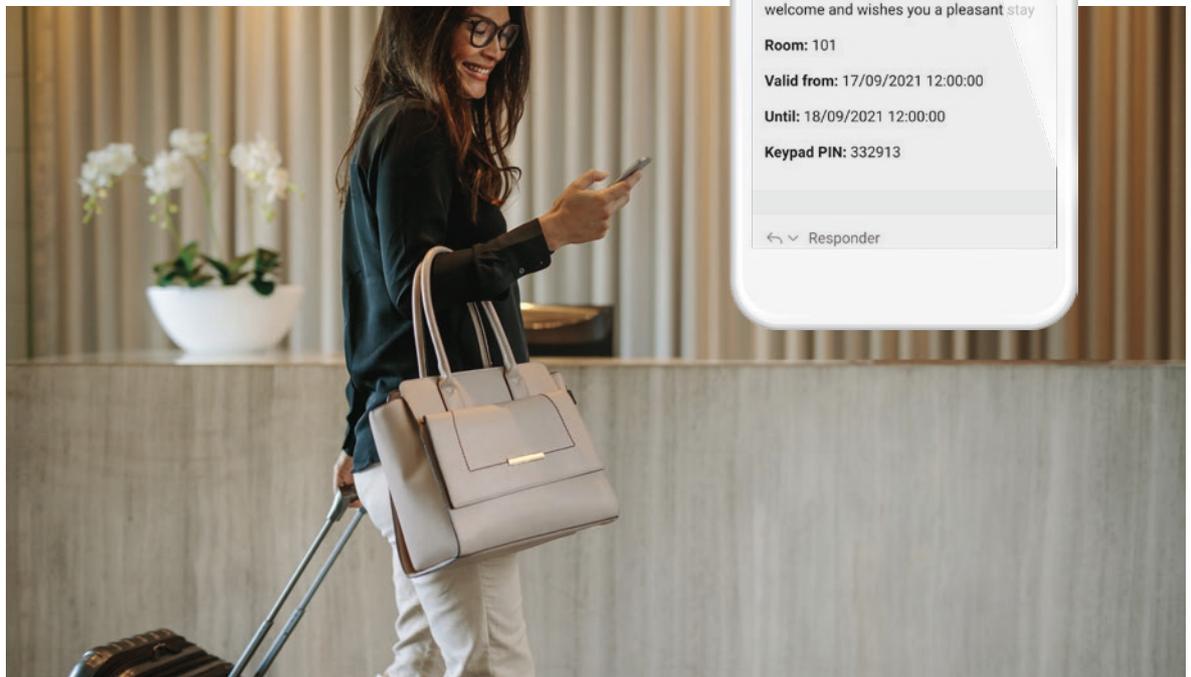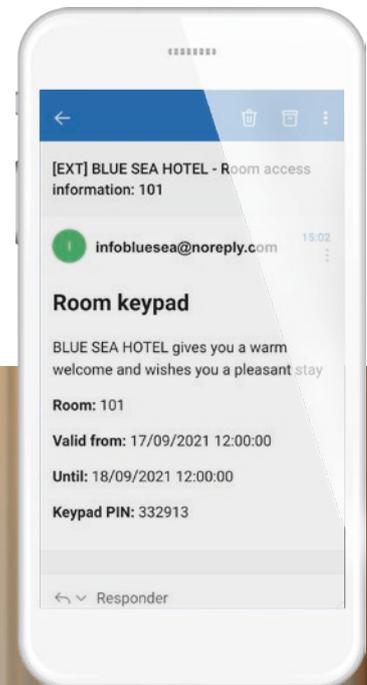
TESA ASSA ABLOY offers another way to improve the guest experience and simplify day-to-day management, capable of controlling these remotely.
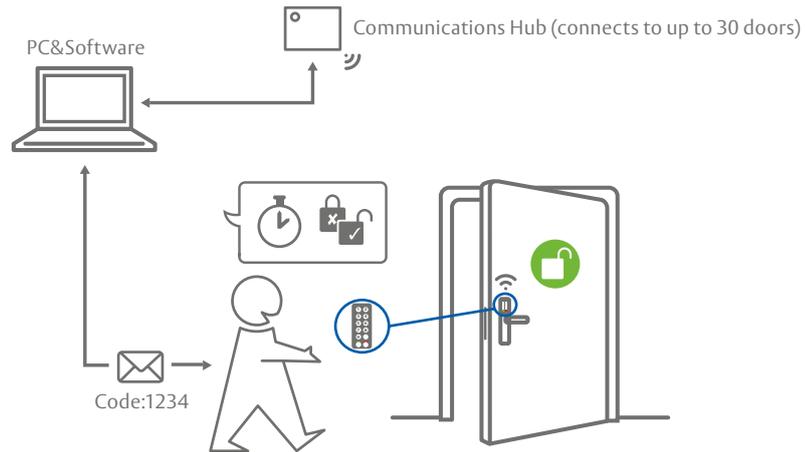
PC&Software

Communications Hub (connects to up to 30 doors)

Code:1234

PIN opening
The system automatically sends guests an email with the PIN code that provides access to the room and common areas, along with their date/time of arrival and departure and room number.
The PIN code is cancelled automatically on the check-out date/time.

← 🗑 🗄 ⋮

[EXT] BLUE SEA HOTEL - Room access information: 101

infobluesea@noreply.com   15:02

Room keypad

BLUE SEA HOTEL gives you a warm welcome and wishes you a pleasant stay

Room: 101

Valid from: 17/09/2021 12:00:00

Until: 18/09/2021 12:00:00

Keypad PIN: 332913

↩ ⌄ Responder

The ASSA ABLOY Group is the global leader in access solutions. Every day, we help billions of people experience a more open world.

ASSA ABLOY Opening Solutions leads the development within door openings and products for access solutions in homes, businesses and institutions. Our offering includes doors, door and window hardware, locks, access control and service.

ASSA ABLOY
Opening Solutions

TESA ASSA ABLOY
The global leader in the development, supply and service of electronic access control systems for the hospitality market, including hotels, tourist apartments and more. With 35 years of experience in the hotel market, we offer a single comprehensive platform which exceeds the highest demands in security, design, ease of use and service for our clients.
www.tesa.es/en/hotel

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