



Unity

B.GRIMM Technologies

# ALL-IN-ONE HOTEL SOLUTIONS



# OUR COMPANY

**B.Grimm** was founded in 1878 with a philosophy of “Doing Business with Compassion for the Development of Civilisation in Harmony with Nature.” For over 148 years, B.Grimm has become a conglomerate comprising many businesses that operate in a range of industries, including energy, industrial businesses, healthcare, lifestyle, investment, and emerging digital technologies

As one of B.Grimm affiliates, B.Grimm Technologies Company Limited is a dedicated provider of comprehensive solutions for buildings, hotels, and factories, with a focus on integrating sophisticated technologies for energy optimization and sustainable innovations for healthy living environments. We gather a wide selection of products from well-known brands across the world and address unique requirements.

## B.GRIMM Technologies



# ALL-IN-ONE HOTEL SOLUTIONS

## B.Grimm Technologies Proudly Offers Comprehensive Solutions and Services for Hotel Businesses.

Meet specific needs of our valued customers. As an authorized distributor of Onity, a global leader in hospitality solutions, we bring in cutting-edge technologies with premium quality including electronic locking systems, mobile access solutions, in-room safes, and minibars, all backed by our dedicated 24/7 customer support.

Hotel Access Solutions

In-Room Facilities

Additional Support Solutions



### One-Stop Service

#### Survey & Assessment

Our experienced engineers conduct on-site surveys to collect facility details and customers' requirements.

#### Design & Installation

We deliver designs of solutions tailored to each customer's specific requirements and professional installation.

#### After-Sales Support

Our engineers provide system trainings and maintenance services, backed by our dedicated 24/7 customer support.

# HOTEL ACCESS SOLUTIONS

## A Trusted Leader in Proven, Reliable Digital Locking Solutions

Onity is at the forefront of the evolution in security and access control. Onity combines innovative technology and dependable service with decades of experience to provide the most advanced electronic locking solutions in the industry today.

With over 5 million doors installed worldwide, Onity locks offer the quality, features and durability you need, with the added advantage of Onity's knowledge and world-renowned reputation.



### Superior Security

- Onity brings an additional RFID technology option by implementing MIFARE Plus® technology, a required feature at certain hotel chains for which increased credential security is vital.
- Contactless RFID (ISO14443A, NFC): Onity innovative solutions are also compatible with NFC (Near Field Communication).
- DirectKey™ ready module: Using Bluetooth® technology, Onity offers an additional layer of security through 128-AES data encryption and enables contactless communication based on mobile phones.



### Locks on Quality Standards

- CE EN 14846
- BHMA standards (the Builders Hardware Manufacturers Association/American National Standard Institute -ANSI-A156.25 grade 1 standard for electrified locking devices)
- DIN (Deutsches Institut für Normung)





## The Perfect Synergy of Scientific Data and Hospitality Excellence

Onity digital door locks are developed for advanced reliability through years of careful research & development that includes detailed scientific data, as well as feedback from a broad spectrum of hoteliers, guests and design professionals.

Onity systems consist of electronic locks, credentials or opening devices, DirectKey mobile access solutions, OnPortal management software and encoder.

### Onity Digital Locks: Advanced, Reliable, and Built for the Future

Our innovative, stylish digital door locks ensure maximum security without sacrificing a beautiful, distinctive, sleek, and modern aesthetic that complements any architectural style. Today the Onity digital door lock range is comprised by the latest all-in-one Serene™, ADVANCE Trillium™, and Trillium™.



### Credentials

Choose from a variety of access credentials for locks and wall readers, including mobile keys, key fobs, wristbands, and more.



**FINALLY,  
A LOCK BOTH  
FORM & FUNCTION  
CAN LOVE**



# SERENE™ LUXURY LOCKS

Onity Serene is a sleek all-in-one lock designed both inside and out for luxury hotels. Its small glowing halo of light symbolizes both timeless design and leading-edge DirectKey mobile access technology that allows guests to unlock their room with ease as they approach the door. And, with a range of lever styles and finishes, Onity Serene can be customized to fit the look of any property. This is a lock both technology specialists and designers can easily and securely, totally love.



## DirectKey™ Mobile Access Technology

With built-in DirectKey mobile access technology, Onity Serene locks enable properties to easily implement a proven mobile key solution right away, allowing guests to use a mobile app to unlock the door.



## Incredible Security

Onity's DirectKey system provides an additional layer of security on top of locking system features built into Onity Serene locks, such as user access permissions and audit trails.



## Future Proof for Advanced Technology

As Onity access management systems evolve, Serene lock firmware can be upgraded through a firmware utility to optimize lock performance and add new features.



## Simplified Lock Management

Through Onity's OnPortal lock management software, staff can create and manage both mobile and physical key credentials at the front desk or use a tablet to check-in guests away from the desk such as VIP reception areas.

# ELEGANTLY DESIGNED, INSIDE AND OUT.



## Features

- Soft LED light halo for a visual indicator
- Reading technology: Bluetooth® technology and contactless RFID (ISO/ICE14443A)
- Built-in DirectKey™ for contactless access
- Wireless programming via Bluetooth
- Optional MIFARE Plus® technologies for enhanced security of RFID credentials
- Managed by Onity's OnPortal™ software to deliver optimal efficiency
- ADA-compliant, utilizing an ADA-opening timer
- Global standards for data privacy for all business regions
- Future proof, upgradable lock firmware
- A wide range of finish and lever options
- Lock programming and audit records retained during battery replacement
- Detailed audit trail for last 3000 openings

**250+ Million**  
door openings  
in the last five years

over **30 years**  
electronic locking  
system experience

**30+ k**  
properties  
worldwide

# VISUAL INTERFACE



# TRILLIUM™ SERIES ELECTRONIC LOCKS

Designed for today's modern aesthetics, Onity's Trillium lock series is available in stylish designs with a low profile reader, RFID and optional Bluetooth® Low Energy (BLE) configurations. Trillium locks can be operated using Onity's DirectKey™ technology enabling guests to use an approved smartphone app to securely download their assigned key for easy access to controlled areas.

 **Brilliantly Designed  
Yet Simple to Use**

Protect both your property and your guests while keeping today's ease of use top of mind.

 **Advanced Credential  
Security**

Trillium RFID locks include the option to use DirectKey and MIFARE Plus® technologies.

 **Easy Upgrade  
Path**

No new door cuts or repainting are required when installing new Trillium locks.



**ADVANCE Trillium**  
slim two-piece RFID locks



 **Bluetooth®**

**Trillium**  
stylish one-piece RFID locks



 **Bluetooth®**





### Outdoors Lock

Onity locks are available in a special version for outdoors, designed to withstand rough weather environments. This solution is offered for Trillium Mag and Trillium RFID locks in satin chrome and dark bronze finishes, combined with the full range of Onity handles.



### Sliding Door Lock

Onity electronic locks are suitable for installation on sliding doors, using a specially designed mortise lock. This solution is applicable to Trillium Mag and Trillium RFID series locks.



### Electronic Lock with Panic Bar

Onity electronic locks can be combined with a panic bar solution at emergency exits, for higher security and control. Manufactured in high quality materials and using simple mechanisms, they guarantee efficiency and long life.



### Trillium RFID Wall Reader

Control your property with an Onity RFID/Bluetooth low energy wall reader at perimeter doors, elevators, parking areas, swimming pools, fitness facilities, and other common areas. Perfect for interior or exterior use, the wall reader is programmable just like all Onity locks.



- Elevators
- Parking areas
- Electric gates
- Swimming pools
- Back office

# CUSTOMIZE YOUR LOOK

A wide selection of attractive finishes, interchangeable handle styles, and cover plates allow hotels to seamlessly blend the locks into the overall aesthetic design of the property.

## Serene™

### Finishes



Satin chrome\*



Antique brass



Polished chrome



Satin nickel



Polished brass



Black chrome



Satin brass



Dark bronze

### Handles



Wing



Granada



Toledo

### Latches / Mortises



EURO\*  
with auto latch



ANSI

## Trillium™ Series

### Finishes

Complement the elegance of your **Onity** lock with any of these wear-resistant finishes:



Satin chrome\*



Antique brass



Polished chrome



Satin nickel



Polished brass



Black chrome



Satin brass



Dark bronze

### Handles

Choose the perfect handle to reflect the design style of your property:



Granada



Jerez



Wing



Toledo



Barcelona



Sevilla

### Latches / Mortises

Options include extra-long high security deadbolt, security deadlatch, privacy and anti-panic functions:



EURO\*  
with auto latch



ANSI

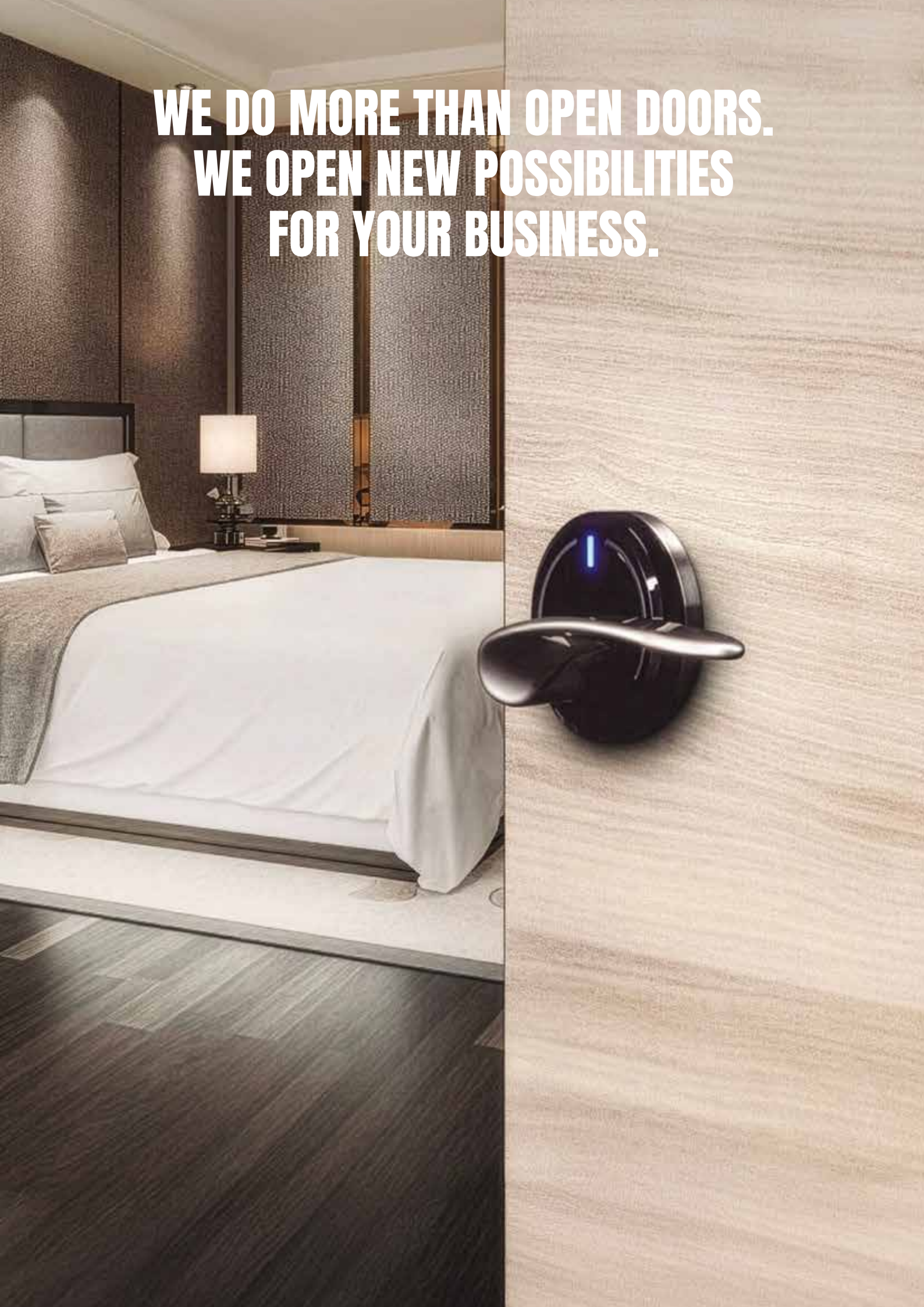


DIN  
with auto deadbolt



ANSI  
with auto deadbolt

**WE DO MORE THAN OPEN DOORS.  
WE OPEN NEW POSSIBILITIES  
FOR YOUR BUSINESS.**



# DIRECTKEY™ MOBILE KEY SOLUTION



DirectKey is a cost-effective, secure and easy-to-use solution which allows guests to use their smartphone as their room key. Combining Bluetooth® and cloud technologies, DirectKey can enhance guest experience for hotels of any size.

Through integration with a hotel property management systems (PMS) and OnPortal, properties can implement DirectKey to enable contactless check-in and property access; this allows guests to securely download their assigned key on their phone and bypass the front desk to access their room. DirectKey technology helps deliver superior user experience and reduce typical touch points.

## Key Advantages for the User and Hotel

### Superior Guest Experience

- Waiting at the front desk can be avoided.
- Contactless access throughout the property is enabled via mobile app, providing a seamless journey—from parking and elevators to the room.
- Unlocking from a convenient distance without the need to touch the lock with phone.

### Hygiene and Health Promotion

Physical contact between guests and staff, as well as the touching of shared surfaces in common areas, can be minimized.

### Impeccable Security

- All mobile key credentials use 128-bit AES data encryption which provides an additional layer of security on top of locking system features such as user-access permissions and audit trails.
- Key credentials remain on the phone during the stay.

### Operational Efficiency

- Onity's DirectKey mobile toolkit offers a convenient way to program and manage locks via Bluetooth.
- Staff can dedicate time to guests on a personal level, minimizing front desk time needed for traditional keycards.
- Activities at the front desk can be smartly reduced.

### Cost effectiveness

Credential management through DirectKey helps reduce the costs of keycard production and management while maximizing the hardware's life.

### Sustainability Alignment

Eliminating traditional plastic keycards supports businesses' ambitious goals toward sustainability.

### Backward Compatible

DirectKey can easily retrofit existing Onity locks, saving deployment costs and time. Discover the full range of Onity locks and devices that are compatible with DirectKey:



### DirectKey Stats

<b>4,500</b> properties DirectKey installed	<b>4</b> million Bluetooth locking devices deployed*	<b>20</b> years mobile key credentialing experience*
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\* Bluetooth locking devices and mobile key credentialing solution deployed with Honeywell technology across multiple industries.

# ONPORTAL™ LOCK MANAGEMENT SYSTEM

OnPortal is Onity's latest lock management software, a scalable solution with roving check-in option and full access management. Built on research and feedback from front-desk agents on their routines and challenges, OnPortal is designed to deliver optimal efficiency, flexibility and guest satisfaction.



## Check-in Flexibility

- A variety of access management options including mobile and physical key credentials, front desk and roving check-in etc
- Better engagement with your guests when they arrive, such as VIP reception areas and airport greetings

## Consistent Performance

- Easy setup, use, and maintenance with OnPortal's software-based functionality while upgrading existing hardware more flexibly
- Get direct integration with Onity's DirectKey™ mobile access system
- Multi-sector RFID encoding for better interfacing to third party systems

## Convenient Scalability

- Right size no matter the complexity of your property, small or large
- Full lock management throughout the entire property
- Multi-thread property management system (PMS) interface

## Space Saving Keycard Encoding

Onity offers compact encoders that work seamlessly with the OnPortal system.

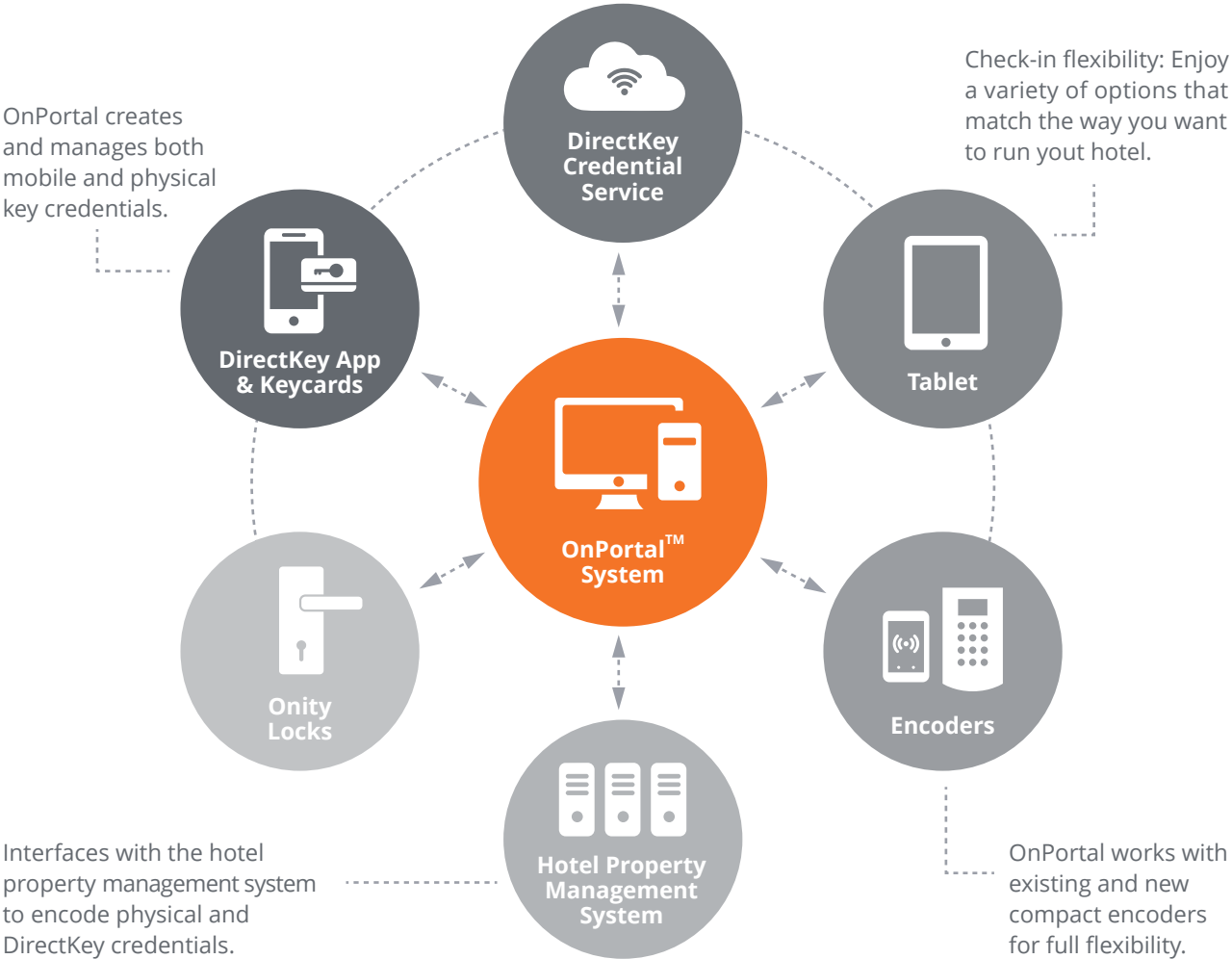


### OnPortal RFID Encoder

- Supports MIFARE® Classic/EV1, Plus and Ultralight C technologies
- USB port connection, no additional power supply required
- Writes keycards in a snap
- Dimensions: 18 x 56 x 88 mm (H x W x D)



# OnPortal Software Manages the Onity Locks and Access Control Devices for a Property.



# ELECTRONIC IN-ROOM SAFES

Onity electronic in-room safes are designed with security, comfort, and convenience in mind for hotel business. They are the ideal solution to offer high security for your guests' belongings with great functionality, bringing your guests greater peace of mind during their stay.



### User Friendly

ADA compliant keypad and displays with clear instructions available in multiple languages. Uses the international standard of a 4 or 6 digit code.



### Truly Innovative

Includes two solid steel anti-drill rotating bolts, recessed doors for insertion protection, anti-labyrinth mechanism, tamper-proof security screws and bolt-side reinforced mechanism.



### Highly Reliable

Protected against surge attacks, up to 500,000 volts, and uses 4 standard AA batteries.





**OS100**  
**Digital Keypad Safe**  
**for Any Budget**

Economical but functional safe making it cost effective for properties to provide protection to their guests' valuables. OS100 includes many key features such as audit trail, mechanical key override and an optional rental stick.

	SIZE (external) (mm, HxWxD)	VOLUME	WEIGHT	COLOR
LAPTOP	200 x 420 x 370	22.7 L	8.4 Kg	Black (standard) Ivory (optional)

\* Depth indicates box dimensions, keypad is not included.



**OS100 Top**  
**Digital Keypad Safe**  
**for Drawer**

Onity's top opening safe provides the expected functionality from a safe, integrating with the room decoration. It can be discreetly "hidden" in a drawer, desk or side table.

	SIZE (external) (mm, HxWxD)	VOLUME	WEIGHT	COLOR
LAPTOP	128 x 400 x 350	11.7 L	10 Kg	Black (standard)



**OS200**  
**Digital Keypad Safe**

Fully featured electronic in-room safe, its user-friendly operation coupled with high functionality makes it ideal for any application. It includes optional power outlet and a rental module.

	SIZE (external)	VOLUME	WEIGHT	COLOR
MINI	250 x 350 x 250	15.3 L	10 Kg	Black (standard) Ivory (optional)
LAPTOP	200 x 420 x 370	21.4 L	12.7 Kg	
LAPTOP 17"	204 x 508 x 370	31.2 L	16.5 Kg	

\* Depth indicates box dimensions, keypad is not included.



**OS500**  
**Enhanced Design Digital**  
**Keypad Safe**

Ideal option for design-conscious hotels, OS500 series safe comes with interior light and electronic rental mode option to record the last 1000 operations, offering maximized security and convenience for your guests and staff.

	SIZE (external)	VOLUME	WEIGHT	COLOR
LAPTOP	190 x 435 x 370	32.5 L	16 Kg	Black (standard) Ivory (optional)
BUSINESS	190 x 435 x 470	37.8 L	18 Kg	

# MINIBARS

Our in-room product range includes BCH, a series of elegant minibars designed specifically for the hospitality market. They are available with absorption or thermoelectric technologies and their cooling system, without moving parts, enables a very silent operation especially suited to hotel environments.

BCH minibars comply with high quality and environmental standards, with models that meet the latest regulations.



## Quality and Service

BCH minibars are backed by the leading provider of solutions for the hospitality market, with products served throughout the world. All components for BCH minibars are sourced, following the highest quality standards.

## Flexibility

- Reversible door
- Sliding shelves with different possible positions depending on the model
- Adjustable racks for bottles and snacks
- Low energy consumption

## Silent Running

Extremely silent operation thanks to their absorption or thermoelectric cooling system technology

## Options

- Glass door
- Lock
- Sliding hinge for cabinet door



Adjustable door shelves



Integrated door opening holder



Reversible reinforced door hinges



Interior light

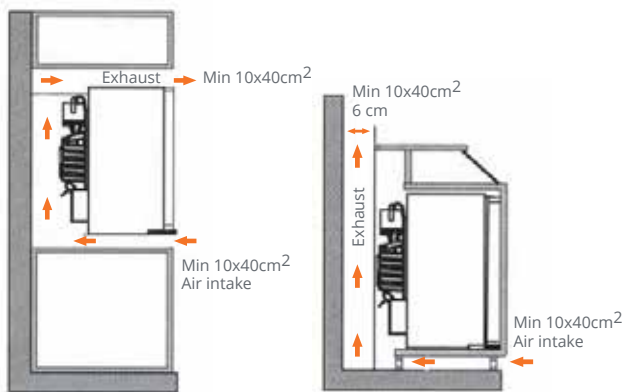


Glass door (optional)



Lock (optional)

**Minibars have the advantage of generating incremental revenue for the hotel whilst providing a service to the guest.**



**The Importance of Ventilation  
Essential for a Correct Performance**

Minibars can be easily integrated into any type of furniture, as long as the appropriate ventilation space is allowed. A minimum space of 400 cm<sup>2</sup> is recommended to enable air circulation around the cooling unit.



**Technical Specification**

Solution TE Solid model			Solution AB3 Glass model (glass door)		
Volume	30 L	40 L	Volume	30 L	40 L
Dimensions (H×W×D)*	480×400×420	550×400×440	Dimensions (H×W×D)*	480×400×415	550×400×435
Technology	Absorption		Technology	Absorption	
Options	Lock, sliding hinge		Options	Lock	

\*Dimensions in mm

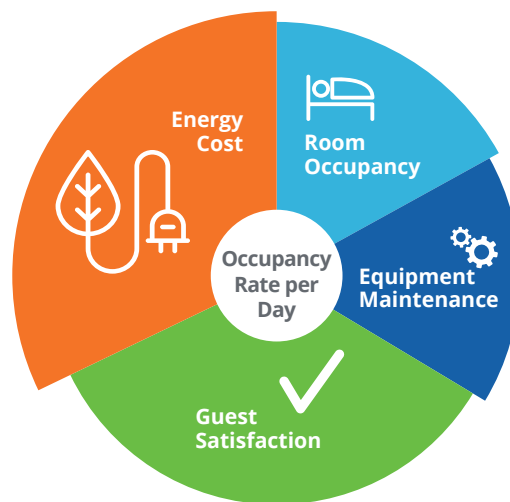
# ENERGY MANAGEMENT



## Hoteliers' Operative Concerns

**50%**  
of all guest  
challenges and  
opportunities are  
HVAC related

A typical room  
is vacant  
**75%**  
of the day



**HVAC often works all day in a hotel room even when the guest is out.**

- High cost for the hotel
- Low efficiency
- Energy waste

HVAC costs can total **45%**  
of a building's utility expense

## Smart Energy Management will Improve Your Bottom Line and your Guests' Comfort while Protecting the Environment

Onity presents our feature rich line of products with innovative designs and unsurpassed performance, which provide substantial savings and rapid return on investment, without compromising comfort. They can help facility managers reduce operating expenses and satisfy guest expectations for comfort and sustainability.

## EcoCentral Remote Management System

The SensorStat® EcoCentral cloud-based command center is accessible from any Internet-enabled mobile device. In addition to improving energy efficiency and maintenance staff productivity, it avoids having to use dedicated PC hardware and software that needs manual updating.

Convenient features include:

- Proactive monitoring
- Remote control in real-time
- Identifying malfunctioning HVAC units
- Automatic load balance to improve response
- Logical profile shifting
- Cloud-based data backup
- Communication with PMS / BMS
- Actionable reports



## Energy Saving Devices

Energy switches which activate electric supply upon keycard insertion:

### OniSwitch Range

- Technologies: RFID (MIFARE®, SR176 and SR512), magstripe or mechanical
- Intelligent version available (OniSwitch Mag Intel) which differentiates guest and master cards, acting accordingly
- Timed courtesy light
- LED lights for easy location in the dark
- Wall surface installation



### Intellity Range

Intelligent energy switch which differentiates guest and master cards, acting accordingly\*

- Technologies: RFID MIFARE, magstripe or mechanical
- Timed courtesy light
- Attractive light for easy location in the dark
- Installation in standard electrical box



\* Not applicable to Intellity Basic and Intellity RFID



# ADDITIONAL SUPPORT SOLUTIONS

## Electrical Solutions

B.Grimm Technologies offers a variety of electrical equipment from the global leading brand Siemens. Over our 20 years of expertise in this field, we have installed our products in more than 150 projects nationwide.



## Comprehensive HVAC Solutions

We provide complete air conditioning solutions from Carrier, serving energy efficiency for cost savings. Our services come with an option to integrate a UVGI system which helps enhance indoor air quality in your facilities.



## Fire Safety and Security Solutions

B.Grimm Technologies is proud to deliver the highest level of safety for your entire hotel through unified, synchronized fire safety and intelligent security systems that can be controlled by a single point. As an authorized distributor of world's leading pump brand Patterson from the United States, we offer a complete product portfolio with comprehensive, expert services by our experienced engineers from a design stage to installation, with 24/7 customer support.



## Lighting Solutions

We bring in complete decorative lighting solutions for all architecture and landscapes. From decorative lighting to interactive light show, our all-in-one solutions can improve the exterior and interior of your buildings in a fascinating way to leave a lasting impression on your visitors.



## EV Charging Solutions

EV charging stations represent another specialized area of expertise from B.Grimm Technologies, tailored to meet the unique preferences of our customers. Our turnkey solution encompasses the entire process with a range of investment options to align with your specific goals and ambitions.



## Solar Rooftop Solutions

As a specialist in solar rooftop solutions, B.Grimm Technologies offers one-stop services of systems with a 25-year warranty on the solar panel efficiency. We assure break-even period of approximately 5 years, providing significant cost-effectiveness and supporting your net zero goals.



# OUR CUSTOMERS

The strength of Onity brand is the result of products and services we provide and the reputation we build every day by listening and meeting the needs of our clients. The following are some of the properties where the millions of existing Onity locks have been installed:





**CONRAD  
BANGKOK**



**BANGKOK MARRIOTT MARQUIS  
QUEEN'S PARK**



**HILTON BANGKOK  
GRANDE ASOKE**


# B.GRIMM Technologies




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