OnPortal is Onity's latest lock management system, brilliantly designed to deliver optimal efficiency and guest satisfaction. A scalable solution, it offers full access management from a desktop PC and great flexibility thanks to its roving check-in option with a touch-friendly tablet.

Fully-featured and easy to use, OnPortal is a powerful system which enhances the check-in process, making it faster. Your staff can perform at optimum efficiency, and your guests will appreciate you making their personal comfort and security a top priority.

All Onity products are backed by a strong commitment to provide the highest standards of service for the customer. Onity's technical department will ensure that you get the support you need, when you need it.

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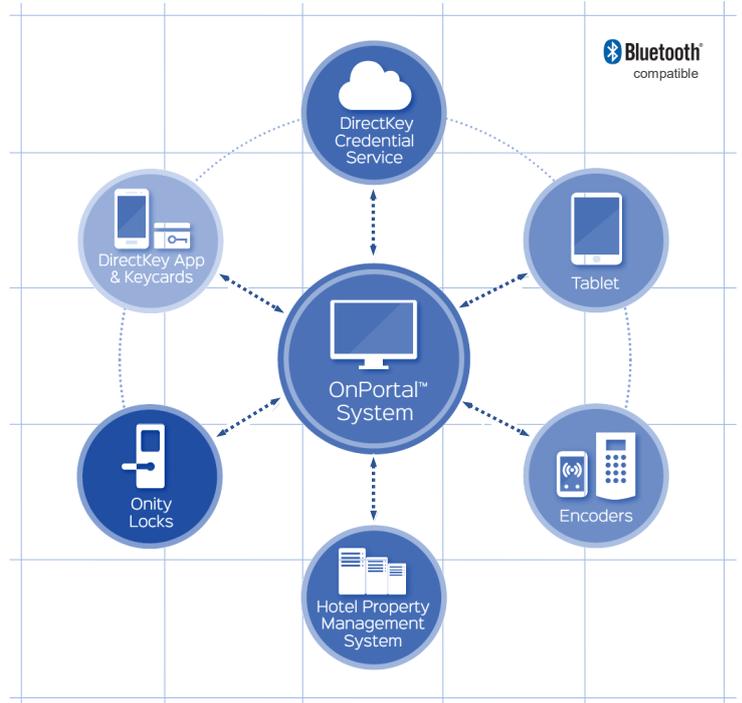
- ☐ User friendly software: easy to learn, easy to use

- ☐ Scalable, designed to support small to large properties of up to 6000 rooms

- ☐ Works with the latest Microsoft Windows® OS

- ☐ Developed using the latest security standards

- ☐ Compatible with magstripe, chip and RFID (13.56 MHz MIFARE® Classic/EV1, Plus or Ultralight C) technologies

- ☐ Creates and manages mobile and physical key credentials; Onity's DirectKey™ mobile key solution allows guests to use their smartphone as the door key, either for independent hotels or properties with brand app integration

- ☐ Multiple USB encoder and multiple stations

- ☐ Multi-sector RFID encoding, multi-track magstripe for effective interfacing to third party systems

- ☐ Direct interface with PMS or POS systems

- ☐ Multi-thread PMS interface capabilities

- ☐ Provides staff shift time tables

- ☐ Role-based access to the software, allowing users to perform only the required tasks

- ☐ Any tablet or laptop PC with Windows® installed can be used as Portable Programmer

- ☐ Manages all Onity hospitality locks and readers, backwards compatible

- ☐ Able to also control a wide range of other Onity options: in-room safes, energy saving devices, wall readers etc.

- ☐ Phased migration path; easy upgrade, enabling gradual equipment replacement

- ☐ SQL Server Compact Edition platform embedded

- ☐ Compatible with remote encoding and kiosk

- ☐ Easy reporting to CSV files

Real Solutions ⏻ Reliable Support

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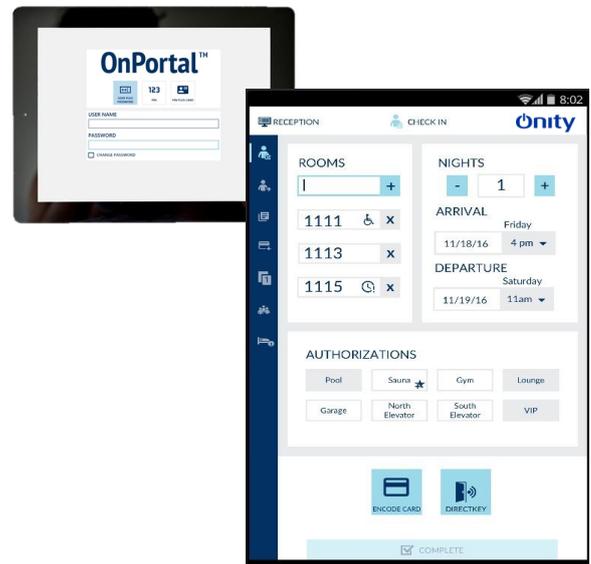
OnPortal, Onity's latest lock management solution, works with 2 encoder models; with minimal hardware footprint, they are very convenient saving space at reception.

OnPortal RFID Encoder

Contactless device which enables to read and write to RFID cards and tags.

- Technology: reads/writes MIFARE® Classic/EV1, Plus, and Ultralight C
- Read/write capacity: up to 100 mm, depending on environment and transponder
- Communication: USB interface
- Transmission speed: USB full speed (12Mbit/s), high frequency air up to 848 Kbit/s
- Compliant with ISO14443A/B, FCC, CE, IC, RoHS-II
- Power: 4.3 - 5.5 V via USB
- Compatible with virtually any 13.56 MHz devices
- Dimensions: 18 x 56 x 88 mm (H x W x D)

OnPortal Motorized Encoder

Motorized card reader/writer terminal which encodes data on triple tracks of magstripe cards.

- Technology: reads/writes high (Hi-Co) and low (Lo-Co) coercivity magstripe cards
- Communication: USB interface
- Compliant with ISO7810/7811 for magstripe cards
- Incorporates a built-in power supply and LEDs which indicate operation status
- Power: AC 110 - 220 V, 50 - 60 Hz
- Life time:
  - Magnetic head: Min. 2,000,000 cycles
  - IC Contacts: Min. 700,000 contacts
- Feeding speed: 280 mm/s 20%
- Dimensions: 100 x 148 x 225 mm (H x W x D)

Portable Programming Protocol (PP Kit)

- Proprietary USB communication protocol, interface device between OnPortal system tablet/laptop and the Onity locks
- Includes cables and adapter
- USB: 2.0+
- Dimensions: 49.5 x 81.3 x 22.9 mm (H x W x D)
- Power source: USB port, 9V battery optional
- Compliance: FCC, IC, WEEE, RoHS, REACH

RFID Encoder

Motorized Encoder

IP HUB

PP Kit

IP HUB

The IP hub is an adapter that enables flexible configurations for fixed and ad-hoc check-in.

Each hub can manage two RFID or motorized encoders, allowing to connect them to the hotel´s Ethernet network.

Typically placed next to PMS terminals, they can be used to segregate a segment or eliminate the need to load an application on the PMS terminals.

- Dimensions: 30 x 118 x 74 mm (H x W x D)
- Powered via separate power supply: 5 V, 3 A (included)

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