



## Flexibility and Scalability

Onity's OnPortal system is a scalable solution with roving check-in option and full access management. OnPortal is designed to deliver optimal efficiency, flexibility and guest satisfaction. Properties can easily set up and maintain the OnPortal system with these primary components:

- Software
- Encoders - options include compact RFID encoder, motorized with IP options, and Onity HT encoders for upgrade applications
- Portable programmer software and cable
- Interface to DirectKey™ software-as-a-service (SaaS) server

## Software

OnPortal software manages Onity locks and access control devices for properties. As a Windows®-based system, it can be used side-by-side with a PMS system on a desktop PC or in touch-friendly mode on a tablet. Staff can create and manage both mobile and physical key credentials.

## Encoder Options

Onity offers a variety of options for setting up the OnPortal system including the ability to upgrade legacy front desk hardware in phases. RFID and motorized encoders offer maximum flexibility with the use of an optional IP hub.

### Compact RFID Encoder:

Onity offers a compact RFID encoder that works seamlessly with the OnPortal system.

- 13.56MHZ / ISO 14443B
- Supports MIFARE Classic®, MIFARE Plus, MIFARE Ultralight®, MIFARE Ultralight C
- Connects via USB port or optional IP to USB hub
- Dimensions: 3.5 in. x 2.2 in. x 0.7 in. (88mm x 56mm x 18mm)



### Motorized Encoder:

The ADV15MSA is a 3-track magnetic stripe encoder with integrated chip card encoding.



### IP Hub:

The IP hub is an adapter that enables flexible configurations for fixed and ad-hoc check-in. Two RFID or motorized encoders can be connected to each hub. These are 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: 4.6 in. x 2.9 in. x 1.2 in. (118mm x 74mm x 30mm)
- Power via separate power supply: 5V, 5A (included)



### Onity HT Encoders:

The OnPortal system is capable of controlling existing HT22 style encoders for retrofit installations. **NOTE:** HT22 encoders only support sector 2 for RFID encoding. Multi-applications such as parking require the new compact RFID encoders.

## DirectKey™ Toolkit Software

When using the OnPortal system with Onity's DirectKey mobile access solution, the DirectKey Toolkit software is used as a portable programmer for managing Onity locks and readers installed with Bluetooth® capability.

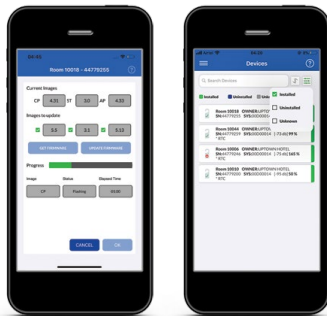
### Toolkit Mobile App:

The Toolkit mobile app offers a convenient way to manage locks on-the-go, using an Android or iOS smart phone.

#### Operating requirements:

**Note: smart phone is not supplied by Onity.**

- Smart phone with Android OS version 5.0 or greater, or iOS version 9 and greater.
- DirectKey Toolkit app – download from the Play Store or App Store.



Smart phones pictured are a representation and not supplied by Onity.

### Toolkit for Windows Devices:

The DirectKey Toolkit software also operates on Windows devices such as tablets and laptop computers.

#### Operating requirements:

**Note: these items are not supplied by Onity.**

- Tablet or laptop with USB charging cable
- Windows 8.1 or above
- .NETFramework v4.6.1 or above
- 3 hour battery life
- USB port or Micro USB OTG to USB adapter, M/F



Tablet pictured is a representation and not supplied by Onity.

## Portable Programming Protocol

Onity offers a proprietary USB communication protocol for the OnPortal system. The programmer kit includes cables and adapter. This adapter accepts a 9V battery connection for power insertion to locks with dead batteries.



#### Basic specifications:

- USB: 2.0+
- Dimensions: 1.95 in. x 3.2 in. x 0.9 in.
- Enclosure: molded plastic
- Interface: USB "A" female connector. PPCOM connectors, 5.5mm & 3.5mm female
- Power source: USB port, 9V battery optional
- Operating temperature: 0°C to 45°C (32°F to 113°F)

## Interface to DirectKey SaaS Server

The OnPortal system provides direct integration with Onity's DirectKey mobile access system, allowing guests to use their smartphone as their room key. This integration enables:

- Rapid issuance of mobile credentials via a single interface
- Room moves, changes, and multiple key holders per room
- Remote cancellation of mobile keys
- Remote delivery of keys to your frequent and most valued guests

OnPortal working in conjunction with DirectKey SaaS allows properties of all sizes and brand affiliations to rapidly enable a mobile key offering for your guest.

#### OnPortal license options:

Part number	Description
<a href="#">LIC_ONPORTAL_150</a>	License Fee, OnPortal, Up to 150 Locks
<a href="#">LIC_ONPORTAL_300</a>	License Fee, OnPortal, 151 - 300 Locks
<a href="#">LIC_ONPORTAL_500</a>	License Fee, OnPortal, 301 - 500 Locks
<a href="#">LIC_ONPORTAL_501</a>	License Fee, OnPortal, 501+ Locks

#### Additional ordering information:

Part number	Description
<a href="#">PH100510</a>	Encoder, RFID, USB, OnPortal
<a href="#">ADV15MSA</a>	OnPortal Motorized Encoder
<a href="#">KHF-IPENC</a>	OnPortal Encoder with IP Adapter
<a href="#">KHF-OPP</a>	OnPortal Programming Kit



## OnPortal System Requirements

OnPortal software must run using one of the operating systems below. Disk space requirements will increase as data is added to the program. A mouse and a modem are required for communications. The software may be run on a local area network (LAN). Verify your system meets the minimum hardware and software requirements.

### Compatibility:

#### Operating System

Windows 10	32 bit and 64 bit
Windows 8.1	32 bit and 64 bit
Windows 7 Service Pack 1	32 bit and 64 bit

#### Server

Windows server 2016
Windows server 2012

### Server Hardware Requirement:

#### Recommended

CPU	x64
Clock Speed	3GHz or faster multi-core
RAM	8GB
Disk Space	5 GB
Color Display Area	1280 x 1024 pixels

#### Minimum

CPU	x86 or x64
Clock Speed	1GHz or faster
RAM	2GB
Free Disk Space	50MB
Color Display Area	1024 x 768 pixels

### Client Hardware Requirement:

#### Recommended

CPU	x64
Clock Speed	3GHz or faster multi-core
RAM	8GB
Free Disk Space	5 GB
Color Display Area	1280 x 1024 pixels

#### Minimum

CPU	x86 or x64
Clock Speed	1GHz or faster
RAM	2GB
Free Disk Space	50MB
Color Display Area	1024 x 768 pixels

### Tablet Requirement:

#### Recommended

CPU	x64
Clock Speed	3GHz or faster multi-core
RAM	8GB
Disk Space	5 GB
Color Display Area	1366 x 768 pixels

#### Minimum

CPU	x86 or x64
Clock Speed	1GHz or faster
RAM	2GB
Free Disk Space	50MB
Color Display Area	1024 x 768 pixels

### Compliance

Compact RFID Encoder	UL60950, CSA 22.2 No. 60950, EN60950, EN62368 CE, FCC Part 15 Class B, AS/NZS CISPR 22, EN55024, EN55032 RoHS-II, REACH, and Cal. Prop 65
IP Hub	UL 60950, CSA 22.2 No. 60950, EN60950, EN62368 CE, FCC Part 15 Class B, AS/NZS CISPR 22, EN55024, EN55032
Portable Programming Protocol	FCC, IC, WEEE, RoHS, REACH



## OnPortal Lock Requirements

Lock Model	Minimum Firmware Version
HT24	2.02
HTRFID	2.02
HT28	5.05
ADVANCE Mag	3.04
ADVANCE RFID	3.04
ADVANCE Dual	2.03
HT34 / HT38 / ADV3	All versions OK
All BTLE Locks	All versions OK
All Trillium® Locks	All versions OK
Wall Reader CA22 board	4.01
Wall Reader CA32 board	All versions OK
OS600 Safe / HT Combo Safe	3.01

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