Verkada

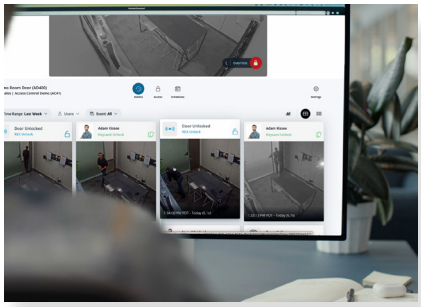
# Wireless Locks Integration Guide

# Overview

Verkada integrates with third-party wireless locks to allow schools, healthcare facilities, multifamily residential communities and commercial buildings to secure more entrances with Verkada's integrated physical security platform. Wireless lock integrations allow organizations to use Verkada's cloud-based access control platform for applications, including:

- Low- and medium-traffic interior doors like those for offices, classrooms and patient rooms.
- Locks securing cabinets and storage lockers.
- Locks installed on difficult-to-mount surfaces like glass, wood and steel.
- Multifamily resident doors in large communities like apartment buildings.

## With wireless locks, organizations can:



**Deploy access control at a greater scale**

Wireless locks integrations allow organizations to connect their Verkada access control system directly to a door lock, simplifying installation and ongoing management while reducing cost.

**Meet diverse installation requirements**

The locking hardware supported by Verkada's wireless lock integrations includes many models, styles and designs, providing the flexibility to meet various installation requirements and applications.

**Easily manage everything from Command**

Third-party locks are easy to manage via Verkada Command, giving organizations the flexibility and security of a cloud-based platform. Wireless locks are another access control device type within Command, meaning door events, alerts, schedules, access methods and user permissions are simple to manage and update in real time.

With all-in-one hardware and seamless Verkada integration, wireless locks are a cost-effective, easy-to-install solution that allows organizations to manage and configure more entrances in Verkada Command.

This guide will provide a detailed overview of the four series of wireless locks Verkada integrates with, including key applications, features and integration requirements.

# Schlage Engage Series

Schlage Engage series wireless locks are single-component cylindrical locks that support proximity and NFC credentials. Engage series wireless locks combine the lock, credential reader, door position sensor and request-to-exit switch in one unit, eliminating the need to install additional components or run wires to each opening.

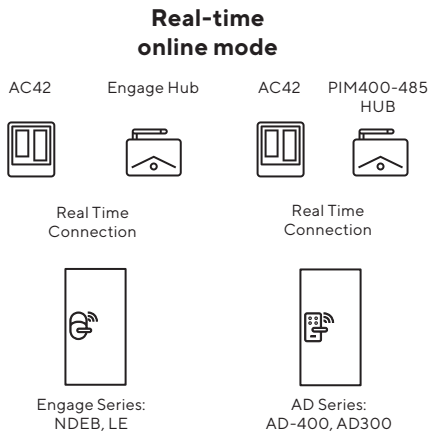
## Engage series locks can function in offline mode or online mode

**Offline mode:**

Locks communicate with Verkada Command through Wi-Fi and update with once-daily syncs. No hub or controller hardware is needed.

**Online mode:**

Locks communicate securely with the GWE hub and Verkada access controller. This real-time connectivity enables remote door unlocks and door lockdowns. The GWE hub has a communication range of up to 30 feet; see us.allegion.com/gateway for more details.




## Supported locks

**NDE mobile enabled wireless cylindrical lock**

A simple-to-install lock that can function in offline mode or as a networked lock with real-time management. NDE locks are compatible with mobile, smart and proximity credentials and are available in cylindrical, mortise, mortise deadbolt or exit trim styles. More information can be found here.

**LE & LEB mobile enabled wireless mortise locks**

A premium wireless lock with two sleek trim options and a broad range of decorative lever and finish choices. More information can be found here.

**Key use cases include:**

- K12 classroom & office doors
- Storerooms and closets
- College classrooms and dormitories

**Battery power:**

Engage locks are powered with four AA batteries. Customers should change batteries every year to ensure optimal performance. Battery status displays in Command for easy review and alerting.

**Supported locks include:**

NDEB, LE and LEB

**Product setup:**

Detailed instructions on physical lock setup, configuration and integration between Schlage AD series locks and Verkada Command can be found in the AD Series Installation Guide.

More information on mechanical specifications, certifications, compatible cylinders, reader specifications, lever styles and finishes can be found in the NDE Series Data Sheet.

# Schlage AD Series

The Schlage AD series (AD-400 and AD-300) is a series of wireless electronic locks designed to be modular and provide more lock configuration options and built-in functionality. AD series locks are available in cylindrical, mortise, mortise deadbolt, or exit trim configurations.

AD series locks function in online mode, communicating through a secure connection with a PIM 400-485 connected to a Verkada access controller for real-time connectivity, including remote unlocks and lockdowns.

**Key use cases include**

- K12 classroom and office doors
- Storerooms and closets
- College classrooms and dormitories

**Battery power**

AD locks are powered by four AA batteries. Customers should change batteries every year to ensure optimal performance. Battery status displays in Command for easy review and alerting.

**Product setup**

Detailed instructions on physical lock setup, configuration and integration between Schlage AD series locks and Verkada Command can be found in the AD Series Installation Guide.

More information on mechanical specifications, certifications, compatible cylinders, reader specifications, lever styles, finishes and ordering information can be found in the AD Series Data Sheet.

## Supported locks

**AD-300 networked wireless locks**

Available as cylindrical, mortise, mortise deadbolt, or exit trim locks that are compatible with NFC and proximity card credential technologies. More information can be found here.

**AD-400 networked wireless locks**

Available as cylindrical, mortise, mortise deadbolt, or exit trim locks and compatible with NFC and proximity credential technologies. More information can be found here.

## Locking functions

Schlage AD series locks include two configurations to support the needs of specific applications:

**1. Storeroom function (function 70)** is designed to ensure a door is always secure. In Storeroom mode, the lock behaves as follows:

- The outside lever is locked at all times.
- The inside lever is always unlocked for immediate egress.
- Valid credentials will temporarily release the lock so the door can be opened from the outside.

**2. Office function (function 50)** is designed to enable controlled lock state changes. This function is typically used for offices and classrooms. In Office mode, the lock behaves as follows:

- The outside lever can be locked or unlocked.
- The inside lever is always unlocked for immediate egress.
- The lock can be controlled through the Verkada Command override function, by pushing the button on the inside, or through a physical key.

# Schlage Control Series

Schlage Control series locks are designed specifically for multifamily residence doors. Control series wireless locks give residents security and convenience while providing building owners more visibility and control through Verkada Command. Control series locks are available as deadbolt, or interconnected (single-motion egress) locks, eliminating the need for keys.

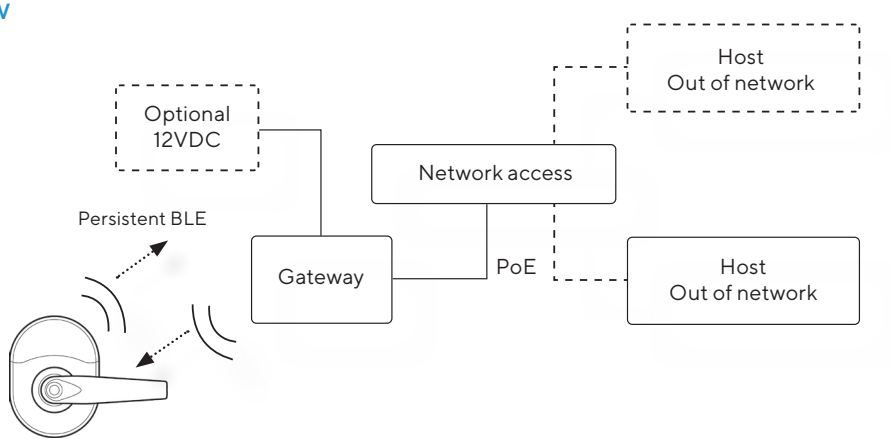
Schlage Control series locks support networked (gateway required), No-Tour and standalone applications.

- With a network installation, locks connect to Command through an Ethernet (IP) gateway integration. With this integration, the lock communicates wirelessly to the GWE hub, which is connected to Ethernet and sends real-time updates to Verkada Command.
- The gateway communication range is up to 30 feet; more details are available at us.allegion.com/gateway.

## Control Series architecture overview

**Ethernet (online, 410IP)**

- Database in NDE/LE/Control lock (access control decision is made in lock)
- Lock connects to Host real time (downloads database/configuations changes & uploads any new audits)
- Must have a host server
- Host is either on the LAN, WAN, or in the Cloud
- No access control panel (ACP)
- The Gateway can be the server or client




With No-Tour applications, Schlage smart and mobile credentials like the Schlage MT20W enrollment reader deliver updates to devices without a network connection.

- **Key use cases** include multifamily residential doors in apartments, dormitories or retirement communities.
- **Supported locks** include the Control Deadbolt (BE467F) and interconnected lock (FE410F).
- **Battery life:** Up to 1 1/2 years (offline mode), up to 1 year (BLE credential enabled).
- **Battery:** 4-AA batteries included; if loss of battery power occurs, customers can use a 9V battery to jump-start the lock and provide access with assigned credentials.
- **Product setup:** detailed instructions on physical lock setup, configuration and integration between Schlage Control series locks and Verkada Command can be found in the Schlage Control Series Installation Guide.
- More information on mechanical specifications, certifications, compatible cylinders, reader specifications, lever styles, finishes and ordering information can be found in the Control Series Data Sheet.

## Supported locks:

**Control mobile enabled smart lock**

Designed for convenience and security, the Control series is available as a deadbolt or interconnected lock and comes in various finishes and lever designs to match the specific aesthetics of a property.

# ASSA ABLOY Aperio Series

The ASSA ABLOY Aperio series is a global wireless platform that uses local wireless communication between an Aperio lock and Aperio hub to connect to Verkada Command, eliminating the most significant cost and inconvenience of traditional access control – the wiring at the door.

## Key Aperio features

- Utilizes IEEE 802.15.4 wireless communication between the lock and Aperio hub connected to a Verkada access controller.
- Real-time communication to Verkada Command provides actionable door status monitoring, greater security and more control.
- AES 128-bit encryption protects access to data.
- ANSI/BHMA Grade 1 hardware offers the highest degree of physical security available in access control locks.

**Key use cases include:**

- K12 classroom & office doors.
- K12 storerooms, closets.
- College online classrooms.

- The Verkada ASSA ABLOY Integration Overview and in the individual data sheets for specific locks (listed below) contain additional information on the Verkada and Aperio integration.

**Product setup:**

Detailed instructions on physical lock setup, configuration and integration between ASSA ABLOY Aperio locks and Verkada Command can be found in the Installation Guide.

**Supported locks:**

Verkada integrates with all locks in the Aperio series. The Aperio series includes a range of hardware products designed for markets worldwide.

# Locks Available in The United States and Canada

**Sargent IN100 lock:**

A mortise lock that supports multiple credential types and is ideal for institutional and commercial applications. More information on IN100 locks available here.

**ES100 integrated electric strike and card reader:**

Ideal for commercial and institutional applications with existing locksets. More information available here.

**DR100 Aperio wireless card reader with relay:**

A wireless reader with relay control to provide simplified access control for single, double swinging and sliding doors. More information available here.

**R100 Aperio wireless card reader with Wiegand hub:**

A wireless reader that can be installed without drilling or wires, offering an elegant way to extend access control to glass, stone, granite or marble entryways. More information available here.

**KS100 cabinet locks:**

A cost-effective way to bring access control to cabinets, lockers and drawers in applications such as healthcare, higher education and IT/data centers. More information available here.

**DL100 wireless deadlatch with card reader:**

A wireless reader and aluminum door strike combination that can work in standard aluminum style entrances. More information available here.

**K100 cabinet locks:**

A cost-effective way to bring access control to cabinets, lockers and drawers in applications such as healthcare, higher education and IT/data centers. More information available here.

# Globally Available Products

**L100 electronic lock**

- A security lock and RFID reader with integrated DPI, bolt position and override detection sensors.
- Availability: Europe, Australia and New Zealand. More information is available here.

**C100 cylinder with integrated RFID reader**

- A wireless locking device suited to almost any internal door. The C100 installs directly in the keyway for fast and simple installation.
- Availability: Europe, Australia and New Zealand. More information is available here.

**H100 electronic handle lock:**

- An all-in-one unit that brings wireless access control into a slim battery-powered door handle with integrated RFID and BLE readers.
- Availability: Europe, Australia and New Zealand. More information available here.

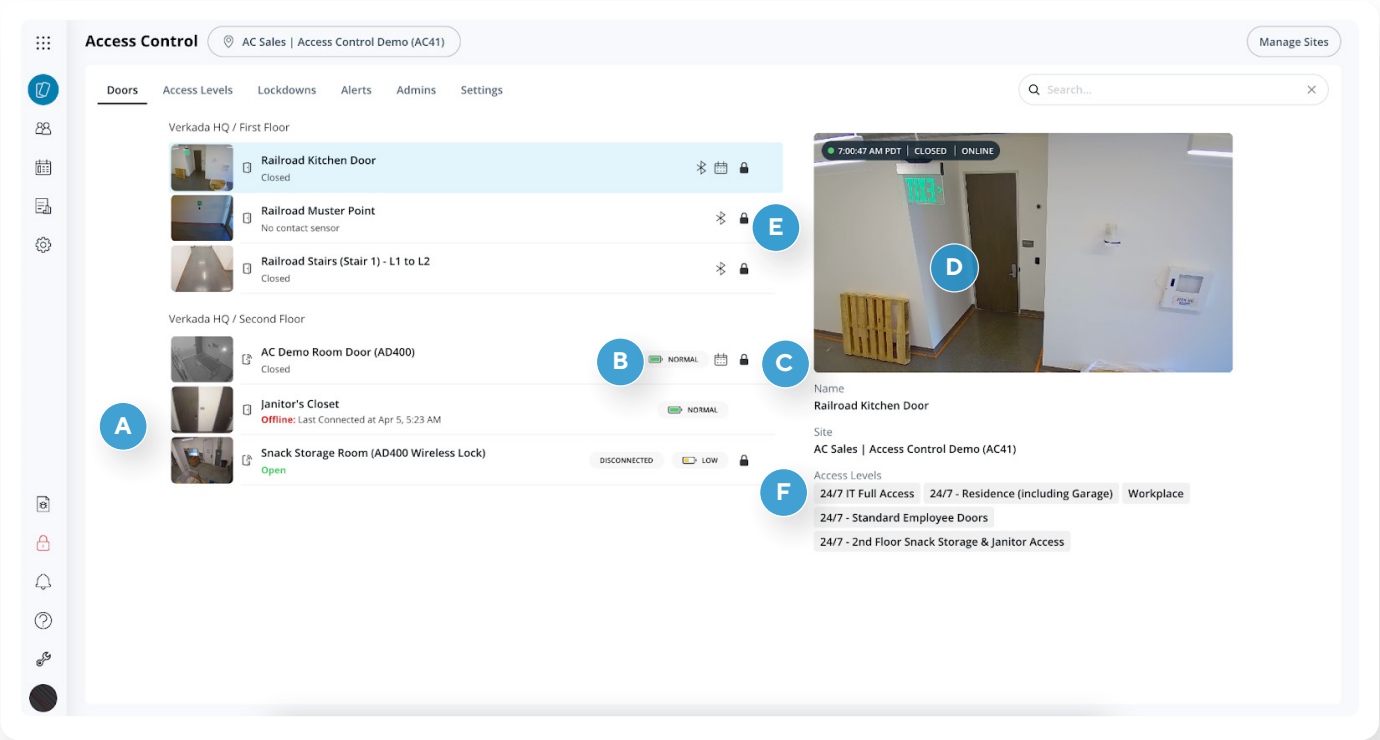
**Escutcheon V3 series E100:**

- A single lock and reader unit designed the 3570 series mortise lock.
- Availability: Europe, Australia and New Zealand. More info is available here.

**Escutcheon series AU100:**

- A set of commercial-grade digital locks available in a range of form factors, including: the popular 530 latch option (non-key override) and 60mm and 30mm backset variants.
- Availability: Australia. More information is available here.

# Wireless Locks in Command




Using Command, Verkada's web-based management platform, users can easily access wirelessly controlled doors to update access schedules and user permissions or view ongoing events. With native Camera integration, Verkada provides unparalleled visibility for access-controlled entries, giving users more insight and actionability on access events and access management throughout their facilities.

**A** Doors controlled with wireless locks

**B** Battery status indicator

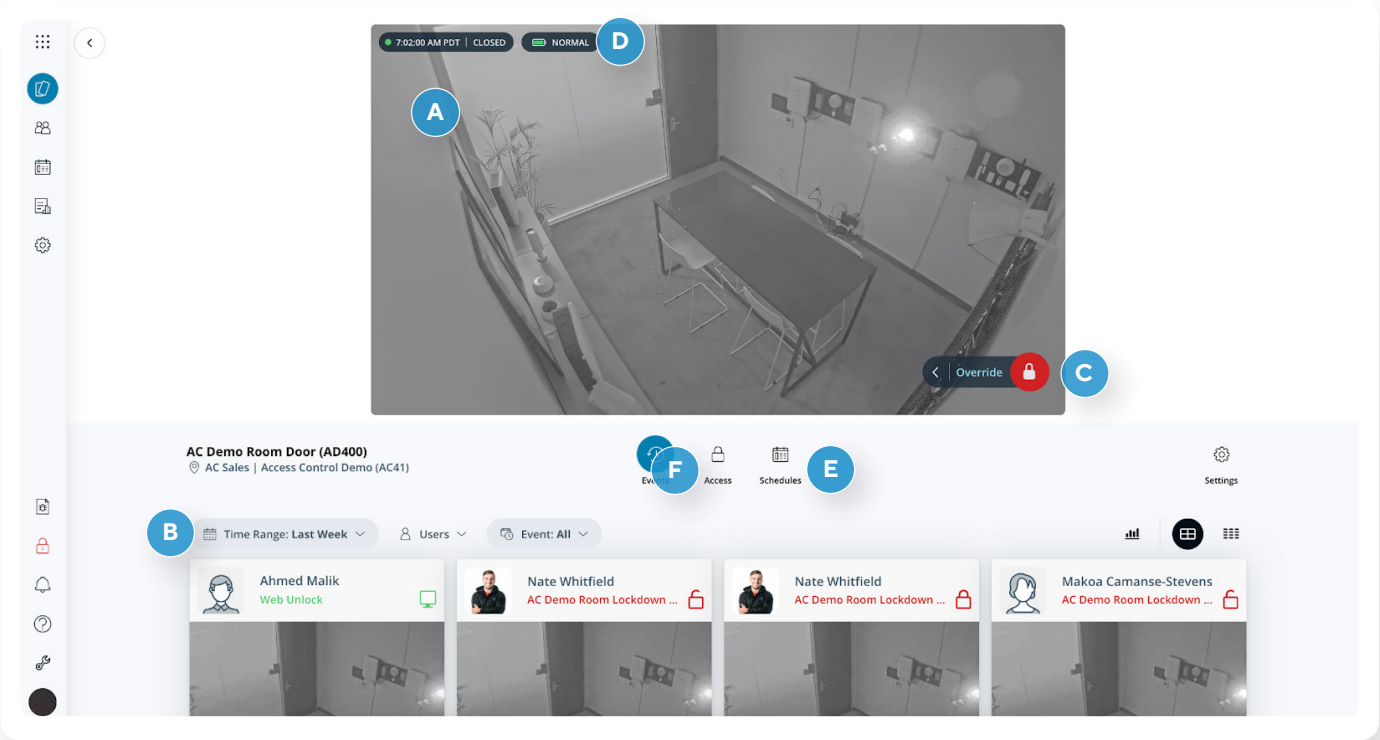
**C** Lock online status indicator

**D** Integrated camera feed

**E** Current door lock status

**F** Access levels and permissions for a specific door

# Wireless Locks in Command (continued)




**A** Live view of wireless lock-controlled door

**B** Chronological log of access events

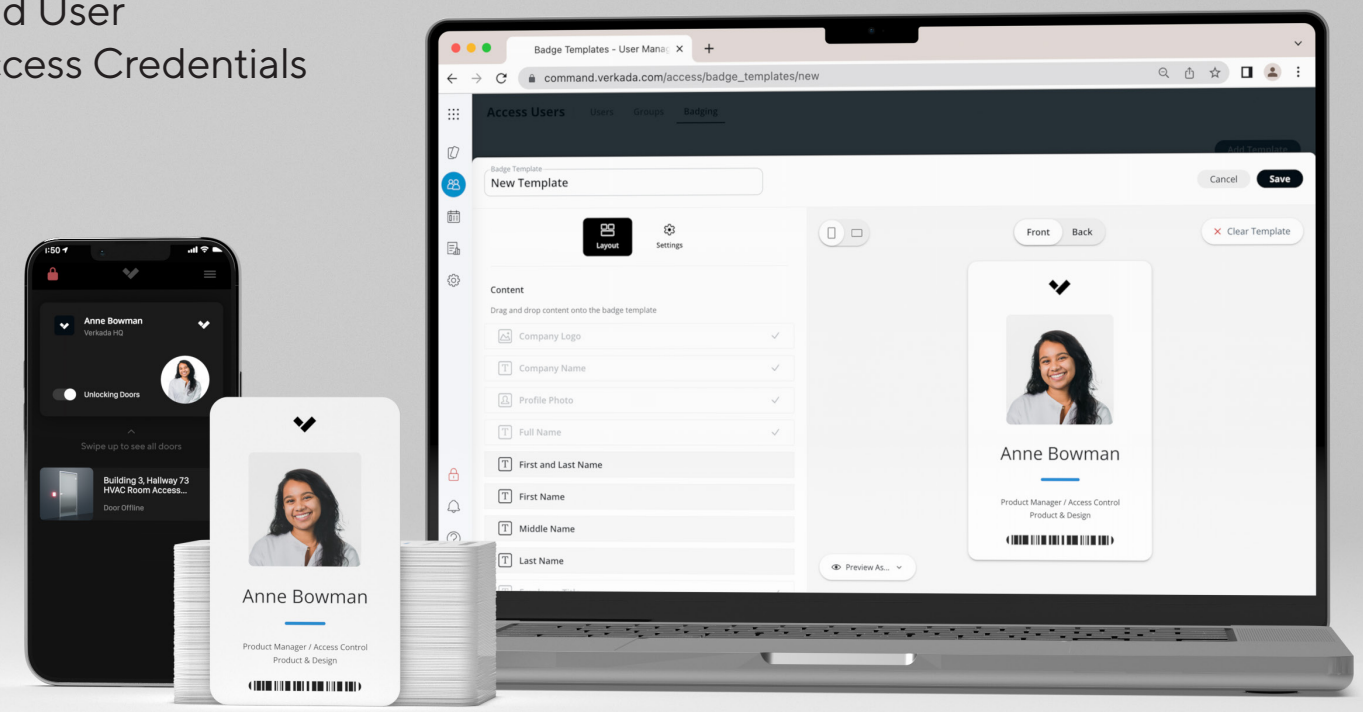
**C** Remote unlock button

**D** Battery power indicator

**E** Schedule manager

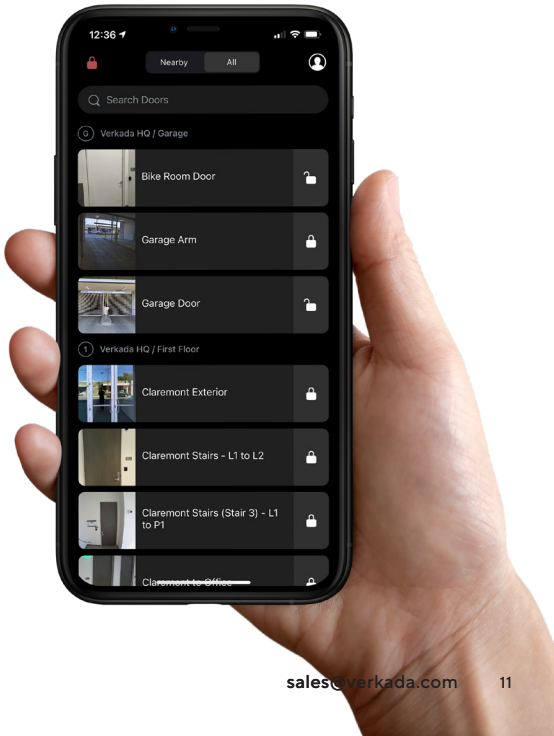
**F** Access level manager

# End User Access Credentials




All third-party wireless locks support both NFC and Proximity access credentials. Customers can easily manage user permissions and physical credentials in Verkada Command and all wireless locks can inherit any access groups or levels from existing configuration settings. These capabilities allow organizations to easily scale and manage their access control deployments across different types of buildings and entrances.

In addition to printed badges, any wireless lock connected via real-time online mode can integrate with Verkada Pass web unlock to allow users to quickly unlock doors by tapping the unlock button in Verkada Pass.



# Ordering Information

## AD Series Wireless Lock Estimated pricing*

| Model Number | Description | Cost (MSRP) USD |
|---|---|---|
| AD-400-CY | Cylindrical Lock | $2,646 |
| AD-400-933* | Mortise Lock | $2,937 |
| AD-400-MS | Exit Trim | $3,044 |
| PIM400-485 | PIM Hub | $1,721 |
| ANT 400-REM-HALL | Remote Antenna Module | $652 |

## Engage Series Wireless Lock pricing*

| | | |
|---|---|---|
| NDEB | Cylindrical Lock | $1,224 |
| LEBMS-ADD | Mortise Lock | $1,488 |
| LEBMS-GRW | Mortise Lock | $1,531 |
| GWE | Engage Hub | $567 |

## Control Series Wireless Locks pricing

| Model Number | Description | Cost (MSRP) USD |
|---|---|---|
| Control Interconnected | Interconnected Lock | Request for pricing |
| Control Deadbolt | Deadbolt Lock | Request for pricing |

* Final pricing will vary based on final lock information. Note: Up to 4 locks can be attached to one AC41 Door Controller.

# Ordering Information

## ASSA ABLOY Engage Series Wireless Locks pricing

| **Model Number** | **Description** | **Cost (MSRP)** USD |
|---|---|---|
| IN100 | Sargent IN100 Lock | Request for pricing |
| ES100 | Electric Strike and Card Reader | Request for pricing |
| DR100 | Aperio Wireless Card Reader | Request for pricing |
| R100 | Aperio Wireless Card Reader | Request for pricing |
| DL100 | Wireless Deadlatch | Request for pricing |
| KS100 | Cabinet Locks | Request for pricing |
| K100 | Cabinet Locks | Request for pricing |
| L100 | Electronic Lock | Request for pricing |
| H100 | Electronic Handle Lock | Request for pricing |
| E100 | Escutcheon V3 Series | Request for pricing |
| AU100 | Escutcheon Series | Request for pricing |
| AH30 | Aperio Wireless Hub | $519 |