

# Security Continuum

*Solutions for Every Opening*

**ASSA ABLOY**  
Opening Solutions

Experience a safer  
and more open world

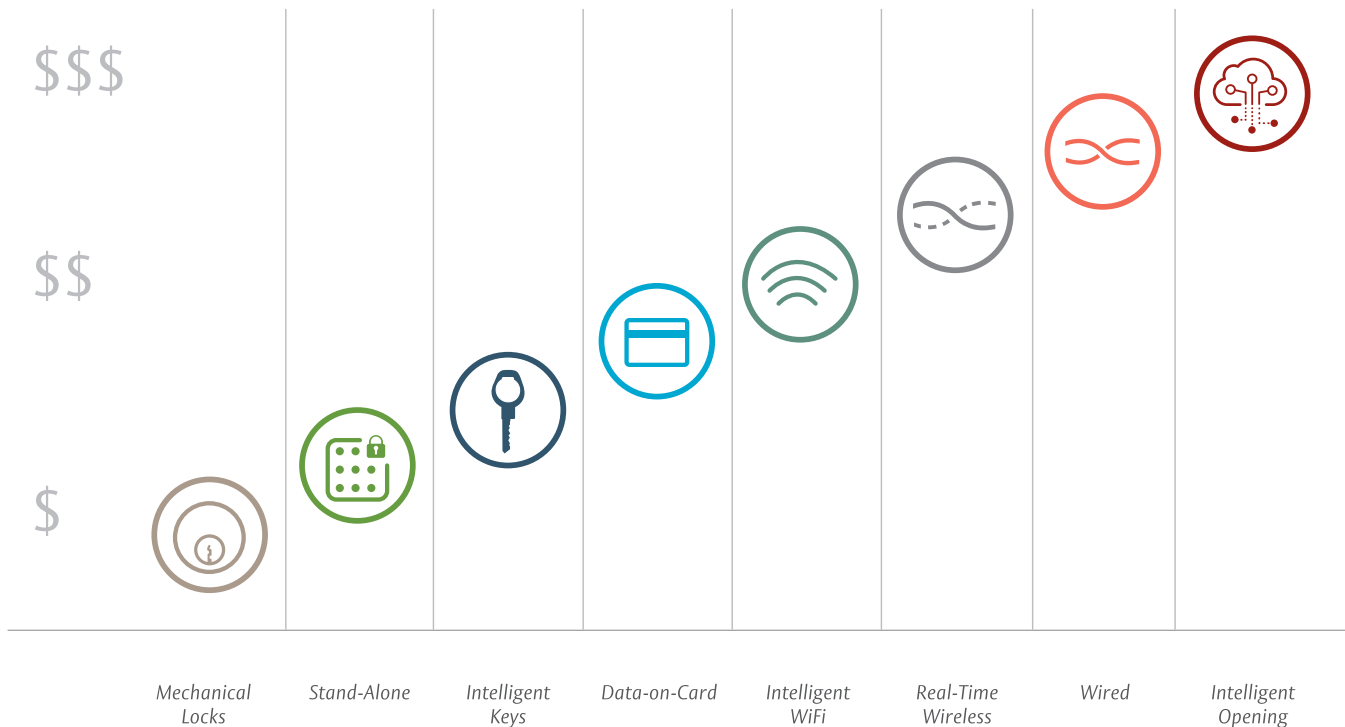


Fullerton Sq Battery Rd



# The Security Continuum

*ASSA ABLOY offers a complete range of technologies with increasing capabilities designed to address today's security requirements.*



## Properly Secure Every Opening

### *Optimize Your Security Investment*

ASSA ABLOY, the global leader in access solutions continues to break new ground by offering the broadest range of security technologies in the industry. From mechanical keys to intelligent openings, this array of technologies – known as the Security Continuum – pairs the appropriate locking technology to the specific requirements and risks of each opening.

Because every opening is different based on its usage, employing a single technology throughout a facility doesn't make sense. Careful consideration of each opening based on its specific requirements allows proper selection of access control, enhancing the security of a facility and keeping costs in line.

This is the core principle of the Security Continuum.



## Intelligent Openings: Realizing the Full Potential

Access control goes beyond technology. An Intelligent Opening not only secures the people or assets behind the opening, but also has the ability to increase efficiency and productivity, improve the user experience, and provide valuable data and insight.

Let ASSA ABLOY help you find the right access control solution for your specific needs. From insights, innovations, solutions and services, the Door Security Solutions team at ASSA ABLOY Opening Solutions is a valuable resource that can be called upon at all phases of your projects. Work with our consultative experts to help find the best possible solution for your security challenges.





# Mechanical Locks

## PRODUCTS AVAILABLE

- Corbin Russwin Access 3®
- Corbin Russwin Pyramid
- Medeco 4
- Medeco X4
- Medeco BiLevel
- Sargent Degree®
- Sargent Signature®
- Sargent Keso F1
- ASSA ABLOY ACCENTRA™ KeyMark®

## APPLICATIONS

- General facility security
- Record/file storage rooms
- Pharmaceutical storage rooms
- Cabinets
- Offices

*The key system is often one of the greatest sources of vulnerability in a facility's security. Key control and choice of key technology are essential considerations.*

ASSA ABLOY Group brands were early innovators in the field of key systems. Though much has changed in cylinder mechanics and how facilities secure their doors, key systems are still the backbone of facility security, and ASSA ABLOY remains the leader in key system technology. Our brands are continuously upgrading their key systems to meet new challenges that confront the market.

The most basic level of protection is a typical mechanical cylinder with a legacy key system. This key can easily be duplicated and thus offers very low level security. ASSA ABLOY Group brands offer varying levels of protection to enhance legacy key systems, including:

- Patented key systems that protect against unauthorized key duplication
- Geographic exclusivity that further restricts how a key can be duplicated
- Cylinders listed to UL 437 offer protection against picking, drilling and physical attack





# Stand-Alone Access Control



*Stand-alone access control provides affordable options for non-networked doors.*

Stand-alone locks offer basic access control capabilities using a keypad. Typically programmed by visiting the door, these locks are available for a variety of applications.

Keypad locks come in a variety of forms including the ASSA ABLOY ACCENTRA™ nexTouch®, which can be used as a stand-alone keypad lock, or easily upgraded or expanded to use Data-on-Card or ZigBee/Z-Wave wireless technology.

The Adams Rite eForce®3090-150 is a battery-operated keyless entry control for Adams Rite deadlocks, deadlatches, and exit devices. The device can accommodate up to 150 users.

Securitron also offers digital keypads to work with any electronic lock. Offering easy installation in a wide range of indoor and outdoor environments, Securitron digital keypads are weather resistant and tamper proof. This provides a scalable, flexible solution that allows users to manage locks locally, and add and remove users without issuing keys.

## Features

- Easy, affordable upgrade from mechanical locks
- Allows users to manage locks locally
- Fast, simple installation
- Flexibility to add and remove users without issuing keys

## PRODUCTS AVAILABLE

- Adams Rite 3090-150
- HES KP20
- Sargent KP Series
- Securitron DK-12
- Securitron DK-16
- Securitron DK-26
- Securitron DK-37
- Securitron DK-38
- ASSA ABLOY ACCENTRA™ nexTouch®

## APPLICATIONS

- Professional offices within a building
- Side entrances in commercial, retail or office buildings
- Utility areas or supply closets
- Server rooms
- Cabinets and drawers







#### PRODUCTS AVAILABLE

- MEDECO<sup>3</sup> & X4 CLIQ
- Medeco XT

#### APPLICATIONS

- Cabinets
- Server cabinets
- Lockers
- Padlocks
- Mortise cylinders
- Intelligent Traffic System (ITS) cabinets
- Retail
- Utilities and facility protection
- Healthcare and pharmaceuticals
- K12 and university



# Intelligent Keys

*A smart solution for flexible, affordable security*

Intelligent Key Systems incorporate sophisticated access control features into retrofit cylinders to upgrade the security of existing hardware. This enables powerful scheduling and accountability and eliminates the expense and inconvenience of rekeying due to lost keys or personnel changes. Battery-powered intelligent keys and cylinders that install easily into existing hardware eliminate the need for wiring or door/frame prep. The keys can be programmed to expire based on security needs, and access can be updated through remote or mobile programmers, or directly through the key using a BLE-enabled mobile device. They can be used in nearly any application and provide an extremely cost-effective solution to enhance security and accountability.

#### Features

- Eliminates liability from lost keys – simply turn the key off!
- No wiring, door or frame modifications. Power and programming occurs via the key
- Can be incorporated into a mechanical masterkey system for flexibility
- Replaceable or rechargeable battery in the key eliminates risk from power outage
- Keys can be programmed anywhere, anytime, via mobile phone (BLE keys)
- Powerful software with robust analytics features available
- Cylinder formats available to fit most commercial hardware







# Data on Card

*Comprehensive access control without the cost and complexity of wiring every door.*

Featured in the ASSA ABLOY ACCENTRA™ Multi-Family Solution, data-on-card technology enables comprehensive access control without the cost and complexity of wiring every door or the need for IT support/equipment. Online openings are limited to just a few central locations, and every credential presented receives updated access rights.

- The credential carries system data (user access rights, lock audit trails)
- Credential holders become the network that manages your access control simply by going about their daily routine
- Access rights are updated when a credential holder presents their credential when entering the building
- At the same time, the audit trail for the locks that person has used is uploaded to our cloud-based software
- Eliminates the need to visit locks to make access updates and reduces wired infrastructure



## PRODUCTS AVAILABLE

- ACCENTRA nexTouch® Locks
- ACCENTRA Credential Updater
- ACCENTRA Cloud-Based Software

## APPLICATIONS

- Multi-family housing (apartments and condominiums)
- Assisted and senior living
- Mixed-use facilities



The ACCENTRA nexTouch® keypad lock can easily be upgraded to ZigBee or Z-Wave wireless technologies for easy integration into compatible systems.





#### PRODUCTS AVAILABLE

- Corbin Russwin IN120
- Sargent IN120

#### APPLICATIONS

- Classrooms
- Record rooms
- Offices
- Residence halls



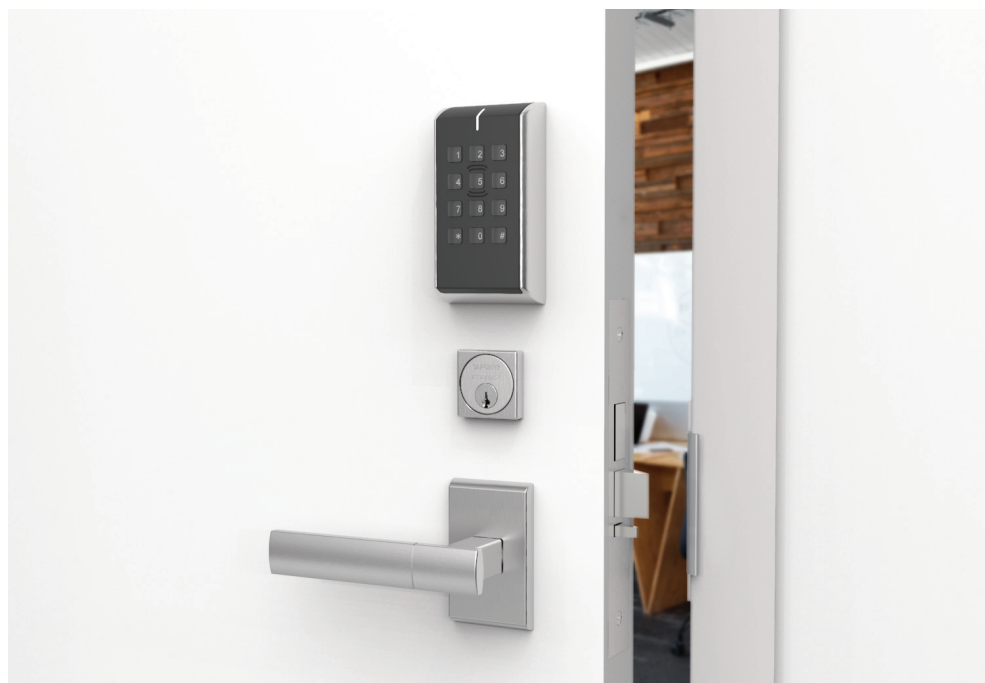
# Intelligent WiFi Access Control

## *Leverage Your IT Infrastructure*

ASSA ABLOY WiFi locks and exit devices provide complete access control in locations where it would be difficult or cost-prohibitive to install a wired lock. With no wires to run, installation time is significantly reduced – simply install the device on the door and configure it to communicate with the wireless network.

## Features

- Utilizes IEEE 802.11b/g/n wireless communication
- Scheduled and user-initiated updates eliminate manual programming
- Reduces the need for panels
- Real-time door status monitoring and real-time, configurable alarm notification
- Local decision making: 2,400/10,000\* users supported; 10,000 event transaction history
- Advanced data security with standard encryption techniques
- AES 128-bit encryption and support for most current WiFi network standards
- ANSI/BHMA Grade 1 hardware, offering the highest degree of physical security available in access control locks
- Supports a variety of 125 kHz and 13.56 MHz credentials, as well as keypad
- Supports mobile credentials



*\*Contact your access control system manufacturer for more information.*



# Real-Time Wireless Access Control



*Wireless possibilities for online access control*

Aperio is a global wireless platform that allows you to expand your access control footprint—quickly, easily, and affordably—using existing platforms you trust. Available across a broad range of locking hardware from ASSA ABLOY Group brands, Aperio provides the flexibility to address many applications throughout any facility.

## Features

- Utilizes IEEE 802.15.4 wireless communication between the lock and an Aperio hub that is connected to the electronic access control system
- Real-time communication with the access control system for greater security and control
- Real-time door status monitoring
- Advanced data security with standard encryption techniques
- AES 128-bit encryption
- ANSI/BHMA Grade 1 hardware, offering the highest degree of physical security available in access control locks
- Supports a variety of 125 kHz and 13.56 MHz credentials. See product catalogs for specific details
- Supports mobile credentials

## PRODUCTS AVAILABLE

- Adams Rite DL100 Deadlatch
- Corbin Russwin IN100 Lock
- Sargent IN100 Lock
- HES ES100 Electric Strike
- SECURITRON DR100 Card Reader with Relay
- SECURITRON R100 Card Reader

## APPLICATIONS

- Common areas
- Tenant spaces
- File storage areas
- Retail space
- Healthcare
- Data centers
- Classrooms
- Offices and conference rooms



DL100



DR100



ES100



IN100



R100



*The convenience of wireless with the real-time communication of online access control*



#### PRODUCTS AVAILABLE

- Corbin Russwin SN Series
- Sargent SN Series
- HES K200 Cabinet Lock
- HES KS200 Server Cabinet Lock
- HES KS210 OSDP Server Cabinet Lock

#### APPLICATIONS

- Exterior doors
- Main entrances
- High security openings
- Sliding and swinging cabinet doors and drawers
- Server cabinets



# Wired Access Control

*Integrated Wired solutions offer the perfect balance of style and security.*

## Integrated Wired

ASSA ABLOY Integrated Wired locks and strikes combine all standard access control components into a single device. This integrated approach significantly reduces installation time and creates a streamlined aesthetic that blends flawlessly into any environment.

Our Integrated Wired offering provides the latest in security and versatility with a choice of Wiegand communication protocol or Open Supervised Device Protocol (OSDP) that allows for secure channel, serial communication between the reader and Physical Access Control System (PACS). These products make it easy to incorporate doors and hardware into existing access control systems, because the open architecture platform is compatible with all popular access control systems. ElectroLynx® plug-and-go connectors further reduce installation costs and disruptions at the opening..

## Features

- Open architecture platform offers compatibility with all popular access control systems
- Features integrated monitoring
- Significantly reduces installation time
- Streamlined appearance blends beautifully into any environment
- Requires only one cable run from the lock to the access control panel
- Industry standard output eliminates need for interface panel
- Proven ANSI/BHMA Grade 1 hardware, offering the highest degree of physical security available in access control locks
- Supports a variety of 125 kHz and 13.56 MHz credentials. See product catalogs for specific details.
- Supports mobile credentials
- Mortise locks and exit trim feature EcoFlex® technology
  - Reduces energy consumption up to 96%\*, as certified by GreenCircle
  - Operates from 12-24VDC
  - Can easily be field configured to fail-safe or fail-secure
  - Available with internal end-of-line resistors for high security monitoring

*\*Versus standard electrified mortise locks*

# Wired Access Control

*Power over Ethernet solutions use standard network cabling for both power and data, simplifying installation and reducing costs.*

## Power over Ethernet (PoE) Access Control Solutions

ASSA ABLOY PoE Access Control Solutions take advantage of the existing Local Area Network (LAN) for both power and data, eliminating the need for any additional power supply or electrical wiring. Utilizing existing IEEE 802.3af (PoE) infrastructure streamlines the installation process, reduces costs, and enables real-time communication.

ASSA ABLOY Group companies offer multiple IEEE 802.3af (PoE) compliant solutions designed to meet your needs – whether you are securing a single building or an entire campus.

### Features

- Utilizes IEEE 802.3af PoE-enabled network infrastructure for both power and data
- Provides same real-time communication as traditional access control
- Contributes to sustainability goals, reducing power consumption up to 86%\*, with a peak power consumption of 7 watts per lock
- Reduces the need for panels and traditional power supplies
- Real-time door status monitoring
- Real-time, configurable alarm notification
- Local decision making: 2,400/10,000<sup>^</sup> users supported; 10,000 event transaction history
- Proven ANSI/BHMA Grade 1 hardware, offering the highest degree of physical security available in access control locks
- Supports a variety of 125 kHz and 13.56 MHz credentials, as well as keypads. See product catalogs for specific details.
- Supports mobile credentials

\* Compared to traditional access control installations using an access control panel, electrified lock, wall reader, and request-to-exit sensor

<sup>^</sup> Contact your access control system manufacturer for more information.



### PRODUCTS AVAILABLE

- Corbin Russwin IN220
- Sargent IN220

### APPLICATIONS

- Mission critical openings
- New construction residence halls
- Data center entrances
- Laboratories
- Computer rooms



### IP-Enabled Solutions *A different type of network security*

ASSA ABLOY IP-enabled access control solutions take advantage of open standard network infrastructure to provide advanced security and easier, more cost-effective installations. Available in a broad range of wired and wireless locks, our IP-enabled solutions ensure reliable communication, advanced management capabilities, and real-time alarm notification.





# Wired Access Control

## PRODUCTS AVAILABLE

- Electric Strikes
  - HES 1500/1600 Series
  - HES 9000 Series
  - Adams Rite Ultraline 7400 Series & 74R1/74R2 Series\*
- Electromagnetic Locks
  - Securitron M380E/ M680E
  - Securitron M32/M62/M82
- Delayed Egress
  - Securitron DEM680E
  - Securitron iMXDa
- Cabinet Locks
  - HES K200
  - HES KS200/210
- Accessories
  - Securitron EEB
- Exit Devices
  - Adams Rite 3000/8000 Series
  - Securitron EMB/TSB/DSB
- Locking Solutions
  - Adams Rite 4300 Electrified Deadlatch
  - Adams Rite 2190 Electrified Interconnected Deadbolt/Deadlatch
- Electrified Hinges
  - Securitron EH
  - McKinney eHinges
- Electrified Trim
  - Adams Rite 3080E Entry Trim
- Power Supplies
  - Securitron AQL Series
  - Securitron AQD & AQS Series
  - Securitron BPS
- Power Transfers
  - Securitron CEPT Concealed Electrical Power Transfer

*\*Adams Rite 7400 Series and 74R1/R2 Series are preload capable operating under 25 lbs. of preload.*

## Online Access Control Components

ASSA ABLOY offers a broad range of access control products that span the Security Continuum and complete the security solutions for a variety of standard, perimeter and auxiliary openings. With electromechanical locking solutions that offer protection from light to heavy duty and specialty applications that extend to perimeter gates and interior cabinets, ASSA ABLOY covers the entire continuum.

- Access control protection up to 4000 lbs holding force
- ANSI/BHMA Grade 1 hardware
- Complements offline or online credential authentication
- Code compliant egress solutions

## Powering the Continuum

Sustaining the Security Continuum requires power. ASSA ABLOY offers innovative solutions to deliver this power:

- Energy harvesting devices support green initiatives
- Battery operated technologies enable wireless environments
- Reliable, clean, low-noise power supplies provide support and protection for proper operation of access control devices
- Remote network monitoring solutions that provide real-time alerts to potential power failures before they become a problem
- Monitor and control your power supply from anywhere to address problems before they happen with Remote Network Monitoring



# The Highly Intelligent Opening



*The Highly Intelligent Opening will offer easier maintenance and management, and extend the life of the components.*

The highly intelligent opening represents the apex of the Security Continuum. It consists of ASSA ABLOY solutions working in concert to monitor, record and communicate diagnostic and performance data at the opening. The analysis of this data can be used to optimize management of the opening while enabling services such as asset management, predictive performance modeling, maintenance planning, and sustainability monitoring.

## THE HIGHLY INTELLIGENT OPENING WILL OFFER BENEFITS SUCH AS:

- Increased security and system performance
- Reduced costs and time for installation services
- Reduced costs and time for maintenance services
- Enhanced customer service levels
- Easier planning and management enabled by access to performance and usage data





# Beyond the Continuum





Considerations for a door extend well beyond the locking hardware and security requirements. As the global leader in door opening solutions, ASSA ABLOY offers technology and design innovations that will drive the direction of the door and hardware industry for years to come.

## *Life Safety*

Careful selection of doors and hardware can help facilities protect against extreme conditions and everyday hazards. ASSA ABLOY offers solutions that:

- Facilitate emergency egress with hardware devices that emit audible and visual alerts to guide occupants directly to building exits
- Protect against devastating storms with hurricane and tornado-resistant doorways that are required in many regions
- Address challenging environments with fire-rated, blast and ballistic-rated, climate controlled, and Radio Frequency (RF) shielded openings
- Delay entry in the case of an armed intruder into schools or other spaces with attack resistant openings featuring School Guard Glass™





# Sustainable Building Solutions

## Sustainability Resource Center

Visit the ASSA ABLOY Sustainability resource center with everything needed to verify the sustainability attributes of products from ASSA ABLOY Group brands.

[assaabloydss.com/sustainabilityresources](http://assaabloydss.com/sustainabilityresources)

ASSA ABLOY is proud to participate with the following green building certification and/or documentation programs:

- Certified Environmental Product Declaration (EPD)
- Declare labels
- GreenCircle Certified
- GREENGUARD
- Health Product Declaration™ Collaborative
- International Well Building Institute
- LEED
- Living Building Challenge
- Passive House Institute
- Zero Energy Certification

Complying with codes, standards and other sustainable building certification programs requires products that help meet material and resource thresholds and building energy performance criteria. Learn how our range of door opening solutions can contribute to the following construction challenges:

- Energy Efficiency
  - Energy efficient exterior envelope and electronic access control solutions
- Sustainable and Transparent Product Reporting
  - End-of-life recycling program
  - Recycled content
  - Declare labels, Environmental (EPDs) and Health (HPDs) Product Declarations
  - Corporate social responsibility
- Indoor Environmental Quality (IEQ)
  - GREENGUARD™ Gold
  - Enhanced acoustical performance through STC (sound transmission class) rated openings

## Affiliations



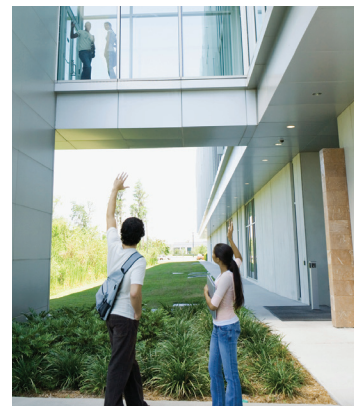


## *Product Feature: The Power of PoE*

Power-over-Ethernet (PoE) access control allows facilities to leverage existing network infrastructure for enhanced security and easier, more cost-effective installations. Bringing the power of the network to access control delivers sustainable access control by improving energy efficiency, reducing infrastructure, and simplifying installations.

The IN220 PoE lock from ASSA ABLOY Group brands Corbin Russwin and Sargent combines superior aesthetics with the energy efficiency and streamlined architecture of PoE access control to:

- Maximize energy efficiency
- Reduce the need for panels and traditional power supplies
- Significantly decrease components and materials
- Reuse a building's structured cabling infrastructure
- Provide online access control at a fraction of the cost







# Access Control for a Mobile World

## *Secure. Flexible. Convenient.*

Smart phones have become the control center of our lives. We manage nearly every aspect of our existence with mobile technology, so why should unlocking doors be an exception?

Count on ASSA ABLOY Group brands for a broad range of access control locks that provide flexible mobile access, offering support for:

### **Credential Types**

- HID Mobile Access® powered by Seos®
- LenelS2 BlueDiamond™
- Student ID in Apple Wallet and Google Pay

### **Communication Technologies**

- NFC (Near Field Communication)
- BLE (Bluetooth Low Energy)



# *The Ultimate in Security and Convenience.*

## **Convenience**

- Allows you to unlock doors with your mobile device, whether it is iOS® or Android™

## **Comprehensive security**

- Protects identity data
- Keeps over-the-air communications between mobile device and locks private

## **Simplicity**

- Streamlines credential distribution and revocation
- Intuitive and easy to manage mobile access bundle consists of the HID Secure Identity Services™ Portal, HID Mobile Access® App and Mobile IDs

## **Interoperability**

- Fully interoperable with HID Global iCLASS SE® and multiCLASS SE® cards and readers configured for HID Mobile Access®
- Integration with access control systems is flexible and easy

## **Powered by Seos®**

Seos® is a next generation credential technology that enables the world's first multi-platform ecosystem for issuing, delivering and revoking digital keys and other identity data across a broad range of smart devices, including mobile phones, micro-processor cards and wearables.

## **ASSA ABLOY Products Available with Mobile Access Support**

- Adams Rite DL100 Aperio® Wireless Deadlatch
- Corbin Russwin IN100 Aperio Wireless Lock
- Corbin Russwin IN120 WiFi Lock
- Corbin Russwin IN220 PoE Lock
- Corbin Russwin SN Series Integrated Wired Lock
- HES ES100 Wireless Electric Strike
- Sargent IN100 Aperio Wireless Lock
- Sargent IN120 WiFi Lock
- Sargent IN220 PoE Lock
- Sargent SN Series Integrated Wired Lock
- Securitron DR100 Aperio Wireless Card Reader with Relay
- Securitron R100 Aperio Wireless Card Reader







Openings Studio™

## ASSA ABLOY Openings Studio®

ASSA ABLOY Openings Studio revolutionizes the way you create and visualize 3D doors, frames and hardware in your building projects. Our industry-leading specification software tool and BIM plugin solution offers complete door-opening information to help architects, contractors and building owners easily design, construct and maintain products in their buildings.

# Expertise Suited to Your Needs

ASSA ABLOY takes pride in offering a broad solutions portfolio that fits into any facility, anywhere. But perhaps even more important is the expertise we provide to ensure that the specification, purchase, manufacture, installation and service of our products are done right.

## *Helping You Throughout the Building Lifecycle*

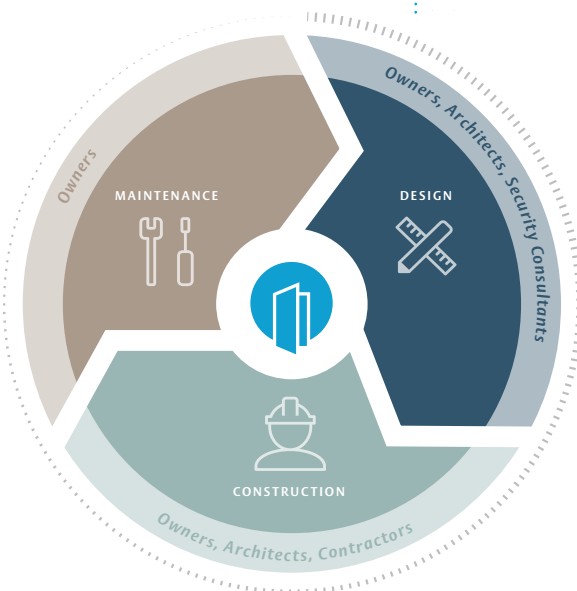
Our expert team of consultants help you design, deliver and maintain your building's door openings. Whether you are an architect, security consultant, contractor, distributor, or owner, ASSA ABLOY consultants are a resource throughout the lifecycle of your building. With a "beginning-to-end" package of consultative and on-site professional services available, we have the expertise and tools to make your building safer, more secure, and up to code.

**Design Services:** Virtual design guides, site surveys, specification services, access control and security elevations

**Construction Services:** Punch lists, fire door inspections, smart tagging, PlanGrid and Procore

**Maintenance Services:** Fire, smoke, and egress inspections; virtual design guides; life safety plans and drawings; smart tagging, and openings manager

**Training Services:** Our qualified team can provide on-site educational and self performing inspection and survey courses customized for your facility management needs.





Consultative  
Services



Comprehensive  
Products



Complete  
Solutions

## ASSA ABLOY Service Centers

Our coast-to-coast network of strategically located Service Centers brings top quality doors, frames and hardware closer to distributors and local job sites. These modern, fully equipped facilities represent the largest and most responsive delivery system in the industry.

## Our Partners

**Distributors:** Our large nationwide network of distribution partners are well versed in our product offerings and provide many value-added services including custom modifications, scheduling and order coordination, inventoried products, installation, maintenance and repair assistance.

**Access Control Partners:** Our access control locking hardware works with software and systems from many providers. Each provider develops, tests and verifies compatibility between the products we manufacture and their own software.

**Authorized Channel Partners and Certified Integrators:** Through specialized certification programs, ACPs and CIs are properly trained to select, purchase and install our access control hardware to ensure a seamless integration.



Access Control Partner  
ASSA ABLOY



Certified Integrator  
ASSA ABLOY



Authorized Channel Partner  
ASSA ABLOY



# More Opportunities to Connect and Learn

## *ASSA ABLOY Academy*

ASSA ABLOY Academy offers a vast library of instructor-led, virtual instructor-led, eLearning modules and on-demand content that covers best practices for all industry professionals—including installers, locksmiths, facility managers, architects and distributors—with programs customized for each audience. In addition, ASSA ABLOY is available to come to your location for training in our Mobile Installation Training (MIT) showroom.

## *Continuing Education Credits*

ASSA ABLOY partners with the following industry associations to provide Continuing Education Units (CEUs) required for state licensing and other purposes.

- American Institute of Architects (AIA)
- Associated Locksmiths of America (ALOA)
- Door and Hardware Institute (DHI)

## *Experiencing Our Solutions Firsthand*

For those interested in seeing our full line of solutions in person, we tour the country with our Mobile Innovation Showrooms. Whether you are interested in access control or decorative options or key systems, our Innovation Showrooms are a perfect place to start your research. In addition, ASSA ABLOY attends many industry-related trade shows and events. A full listing can be found on our website. We look forward to meeting you!





Mobile Innovation Showrooms  
*#solutions2u*



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

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

ADAMS RITE | ASSA ABLOY ACCENTRA™ | CORBIN RUSSWIN  
HES | MEDECO | NORTON RIXSON | SARGENT | SECURITRON

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