



The ASSA ABLOY Group is the global leader in access solutions. Every day we help people feel safe, secure and experience a more open world.

ASSA ABLOY Campus Solutions

IP and Wireless Technology

Experience a safer and more open world

Restricted

ASSA ABLOY

DIGITAL ACCESS SOLUTIONS

Higher Education – On-Campus Team

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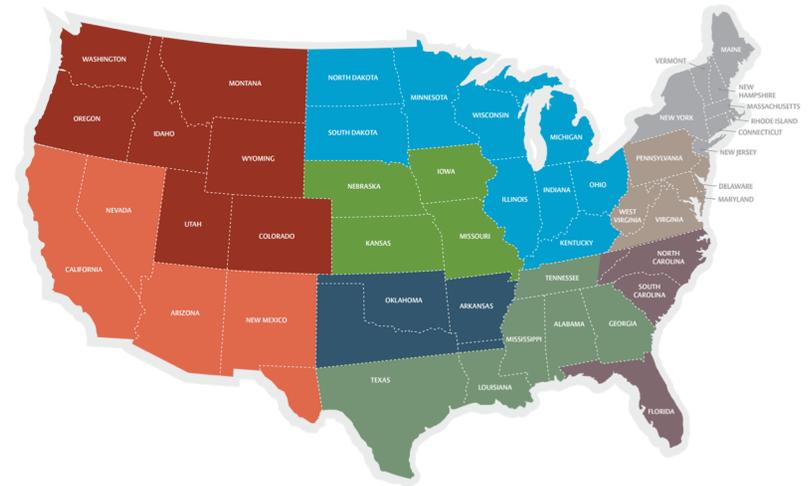
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ASSA ABLOY

Opening Solutions

Door Security Solutions Offering



SARGENT



SECURITRON



CONCEPT
FRAMES

McKinney

PEM/KO

ROCKWOOD

CURRIES

Fleming
Door Products



PIIONEER

ASSA

medeco

SimpleK



ASSA ABLOY Cycle Test Results



IN Series Built around the 8200 Series Mortise Lock

UL Underwriters Laboratories Inc.

Northbrook Division
333 Pfingston Road
Northbrook, IL 60062-2096 USA
www.ul.com
Tel: 1 847 272 8900
Fax: 1 847 272 9129
Customer service: 1 877 654 3577

Verification of Extended Cycle Testing Program

Manufacturer: Sargent Manufacturing Company, an ASSA ABLOY Group Company.

Model / Series: 8200 Series Mortise Lock

Test: Extended Cycle Test Beyond ANSI/BHMA 156.13

Scope: The model 8200 Series Mortise Lock was cycle tested from February 8, 2007 to November 18, 2007. Each cycle consisted of a full opening & closing cycle (unlatching and latching). The device lever was depressed releasing the latchbolt from the strike and opening the door. The cycle rate was at a minimum of 30 cycles per minute. A UL Inspector witnessed the test start-up and performed eight random cycle count verifications and inspections of the assembly and components during the extended cycle test. The results are provided under this Report and constitute the only Report provided.

Cycles Completed: 14,318,360 cycles

Comments: Underwriters Laboratories Inc. neither selected the samples nor determined whether they were representative of production materials. The results apply only

Mortise Lock 14,318,360 cycles

UL the standard in safety

Underwriters Laboratories

October 10, 2007

Verification of Extended Cycle Testing Program

Manufacturer: Sargent Manufacturing Company, an ASSA ABLOY Group Company.

Model / Series: 10 Line Series Bored Lock

Test: Extended Cycle Test (Beyond ANSI/BHMA 156.2 Requirements)

Scope: The model 10 Line Series Bored Lock was cycle tested from February 8, 2007 to October 5, 2007. Each cycle consisted of a full opening & closing cycle (unlatching and latching). The device lever was depressed releasing the latchbolt from the strike and opening the door. The cycle rate was at a minimum of 30 cycles per minute. A UL Inspector witnessed the test start-up and performed five random cycle count verifications and inspections of the assembly and components during the extended cycle test. The results are provided under this Report and constitute the only Report provided.

Cycles Completed: 9,641,702 cycles

Comments:

Witnessed by Underwriters
Laboratories!

Cylindrical Lock 9,641,702 cycles

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ASSA ABLOY

Application Appropriate Hardware Solutions



The ASSA ABLOY Security Continuum allows you to pair the appropriate locking technology with the specific requirements of each opening

This customized approach enhances the security of the facility while keeping costs in line

2 Ways to Wireless

Increase security quickly, easily and affordably with your choice of wireless technologies.



Leverage your
IT Infrastructure



Leverage your
Security Infrastructure



Wireless locks are undoubtedly the easiest, most cost-effective way to bring access control deeper into a facility. Choose the wireless technology that works best for you – to maximize your existing infrastructure and secure more openings.

Learn more: [IntelligentOpenings.com/wireless](https://www.intelligentopenings.com/wireless)

Shown: IN Series lock,
available with Aperio®,
PoE, or WiFi technology.

ASSA ABLOY Security Continuum

Leverage Existing IT Infrastructure



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Intelligent WiFi Access Control



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- Easy, affordable access control
- Ideal for applications that are difficult to wire
- Uses standards-based WiFi technology
- Leverages existing IT infrastructure
- On-board controller eliminates panels
- Integrates with most popular access systems

Mechanical Locks

Stand-Alone

Intelligent Keys

Data-on-Card

Intelligent WiFi

Real-Time Wireless

Wired

Intelligent Opening



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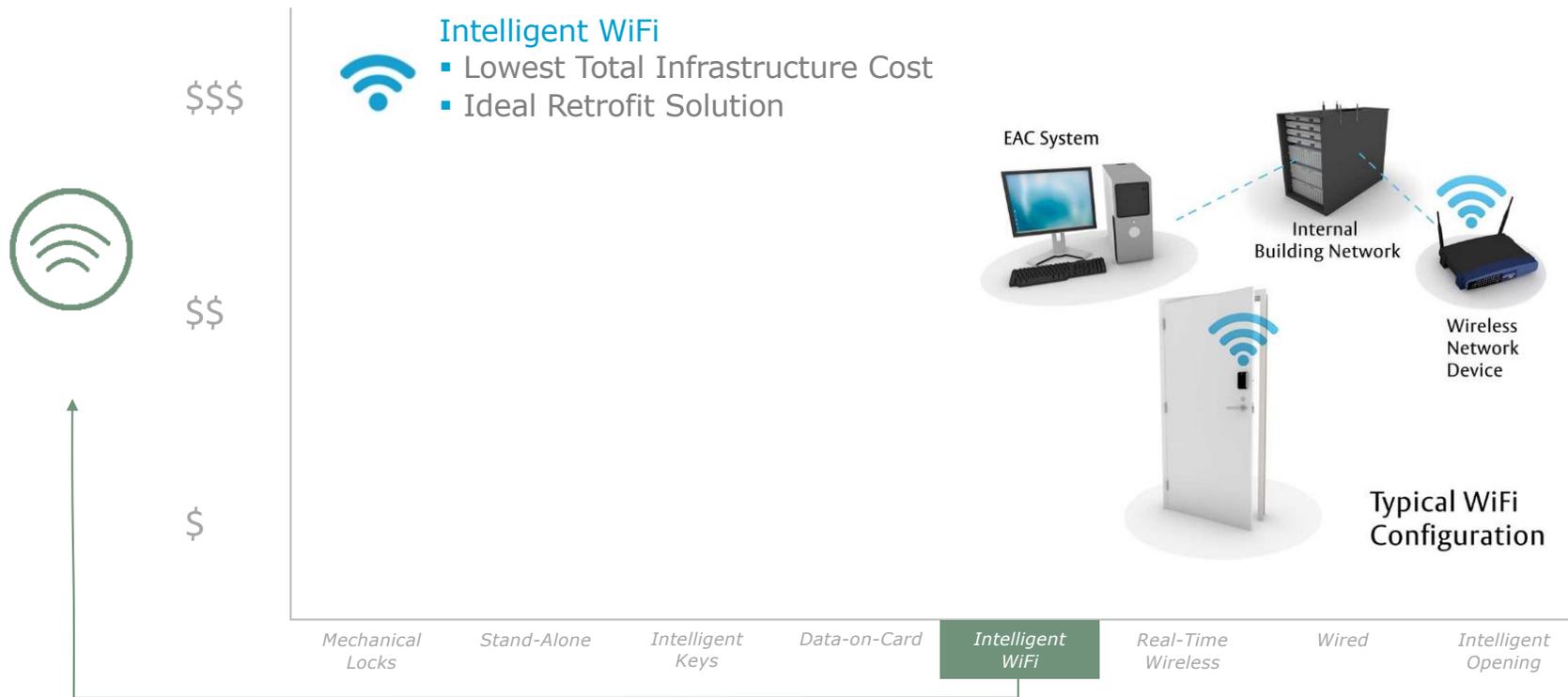
IP-Enabled WiFi Access Control (IEEE 802.11 b/g/n)



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Commercial Wireless Choices



Real Time Security:

Real-time alarm reporting with Wireless and PoE technologies:

- ✓ Door Forced
- ✓ Door Propped
- ✓ Unauthorized Card Use
- ✓ Low Battery Warning
- ✓ Communication Failure
- ✓ Up to 80 Different Monitoring Options



Power over Ethernet (PoE) Access Control

Utilizes existing IP Network



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IP-Enabled Online Access Control
Extend the reach of your access control system using Power over Ethernet locks that leverage existing PoE infrastructure to reduce components AND minimize energy usage

Mechanical Locks

Stand-Alone

Intelligent Keys

Data-on-Card

Intelligent WiFi

Real-Time Wireless

Wired

Intelligent Opening

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PoE Access Control



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- Uses existing IT infrastructure
- A single cable for both power and data
- Minimizes power consumption
- Real-time communication
- On-board controller eliminates panels



Mechanical Locks

Stand-Alone

Intelligent Keys

Data-on-Card

Intelligent WiFi

Real-Time Wireless

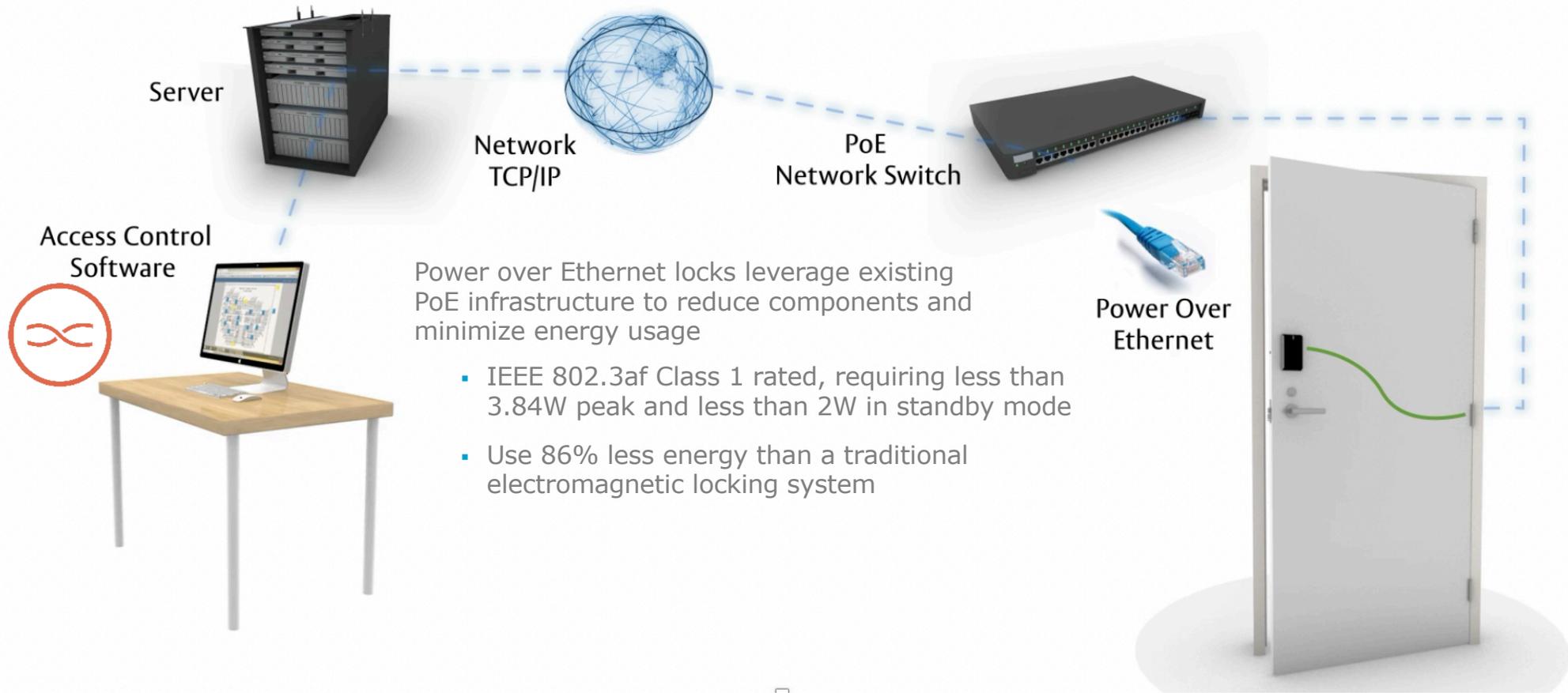
Wired

Intelligent Opening

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IP-Enabled PoE Access Control

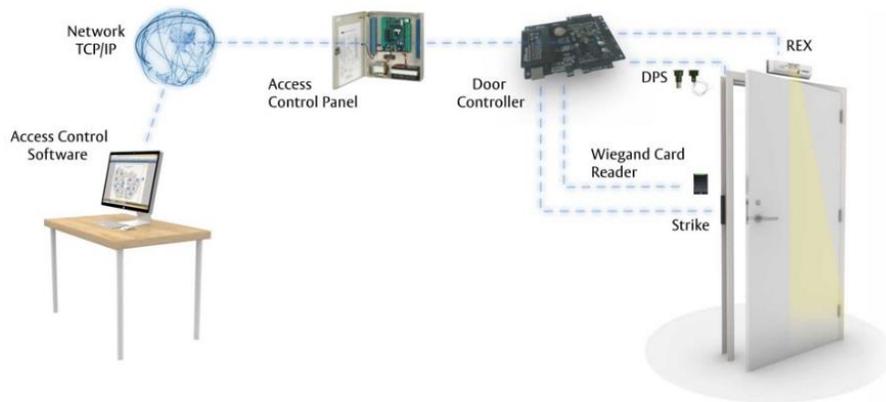


Life Cycle Assessment: Standby Power Consumption



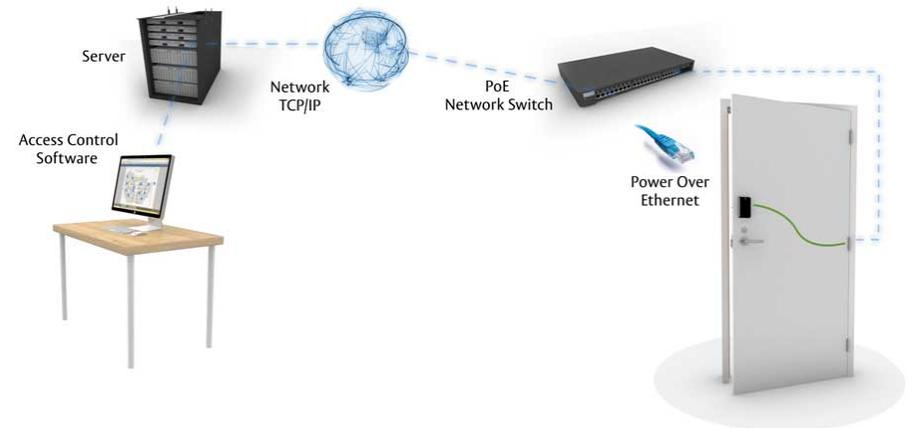
Traditional Access Control

- Current Power: 20-30W
- Cost: \$28+/year
- CO₂ Equivalent: 210 lbs



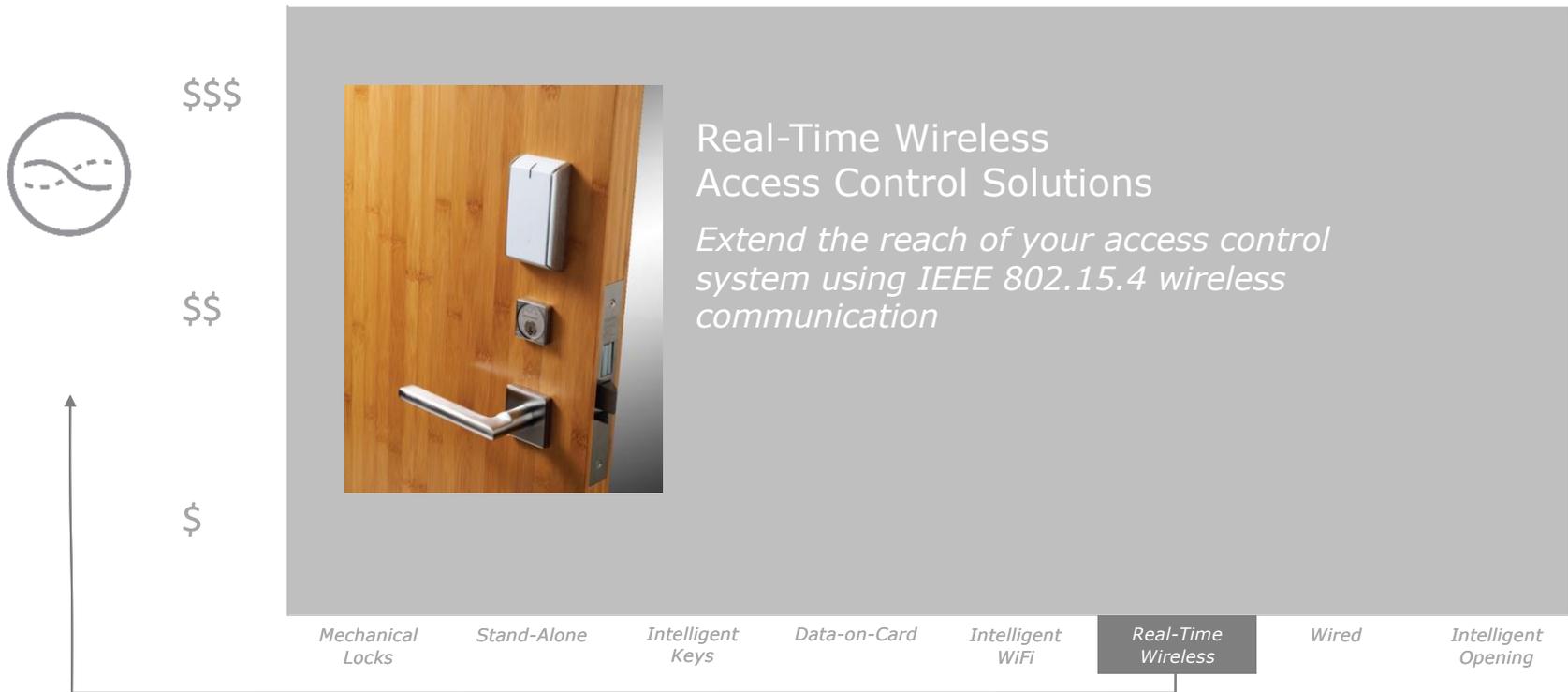
Power over Ethernet

- Current Power: 2W
- Cost: \$2/year
- CO₂ Equivalent: 20 lbs



ASSA ABLOY Security Continuum

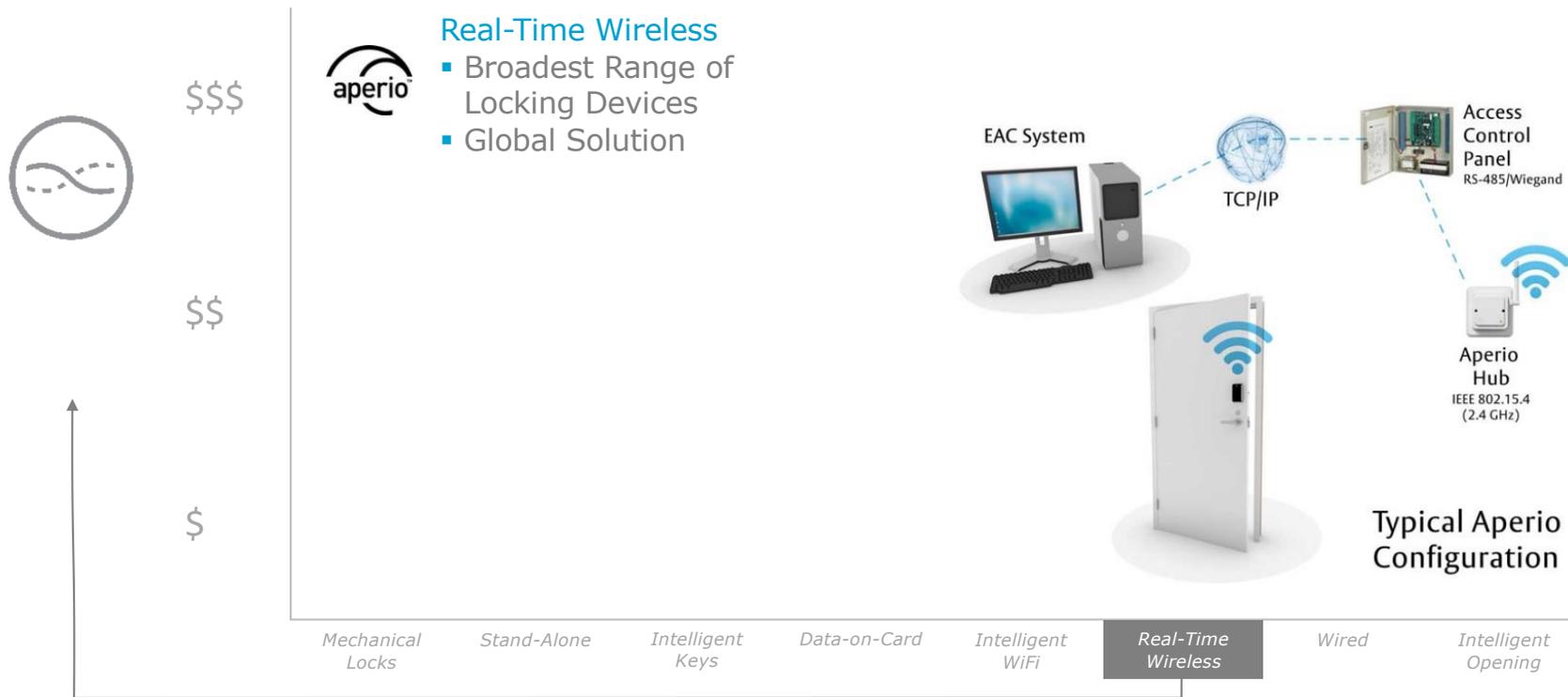
Leverage Existing Security Infrastructure



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Commercial Wireless Choices



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Aperio[®] Wireless Solutions



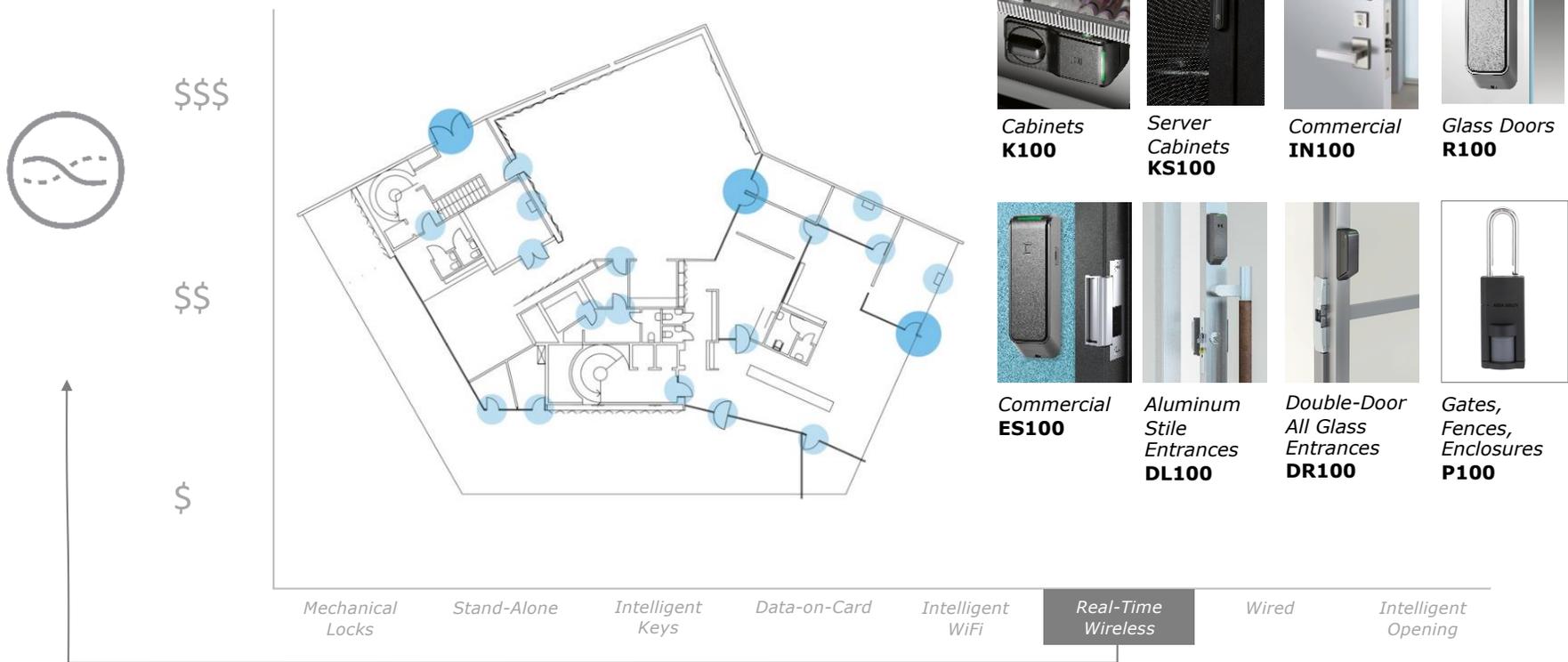
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ASSA ABLOY

Aperio[®] Wireless Technology



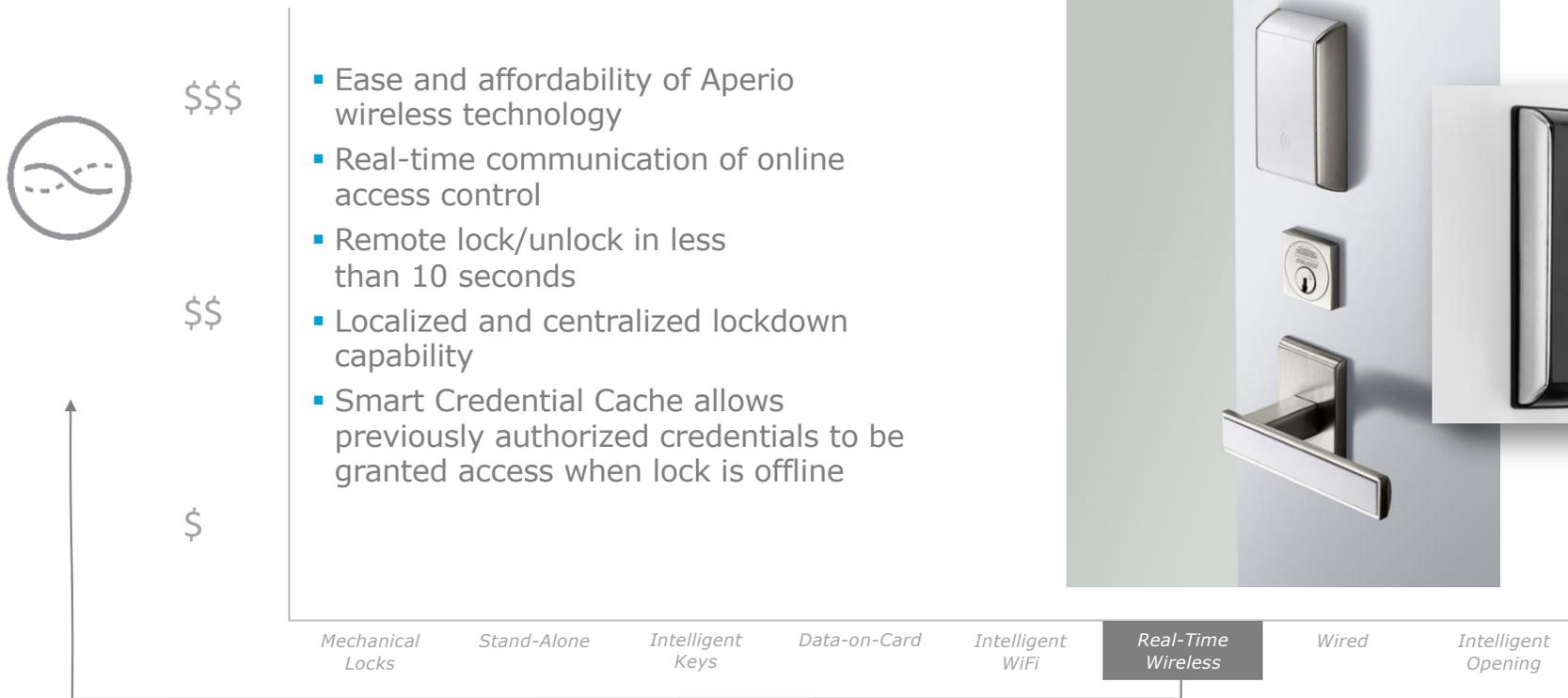
Aperio is a global family of products that use the same wireless technology to fit a wide variety of global standards & applications.



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IN100 Lock



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Based on HID SE Technology

- Cutting-edge reader technology across all platforms
 - HID multiCLASS SE™ reader
 - Simple credential migration
 - Support for mixed card populations
 - HID BLE and MOBILE NFC
 - The SE based reader offers field configurable support for:
 - HID Prox, iCLASS, iCLASS SE and SEOS
 - Mifare Classic, DESFire EV1, 2, 3, and more



Based on HID SE Technology

- Cutting-edge reader technology across all platforms
 - HID multiCLASS SE™ reader
 - BlueDiamond
 - BOTH WiFi and PoE Solutions
 - APERIO (Hub based) Wireless – TBD



Technology and Integration Options

- True Open Architecture
 - Standards-based WiFi, PoE, and wireless (Aperio) locks
 - Leveraging existing infrastructure
- System management options
 - Native integration: Security Management System, eg. LENEL/S2
 - Stand-alone : PERSONA
 - Interfaced: Campus management software, other....
- Creating a partnership



Thank you

[IntelligentOpenings.com](https://www.IntelligentOpenings.com)

Experience a safer and more open world

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