Wireless Lock Integrations

Avigilon Unity Access

MOTOROLA SOLUTIONS

AVIGILON™

Why choose Avigilon Unity Access?

Avigilon Unity Access is an IT-friendly, on-premise access control system designed for enterprise-class installations. It offers a seamless blend of advanced security features and user-friendly operation. The system's intuitive, browser-based interface eliminates the need for software installation, streamlining deployment and management across sites.

With scalable architecture supporting up to 4,000 doors per appliance, Unity Access adapts effortlessly to growing organizational needs. The system's native integration with Avigilon Unity Video software and Decision Management System creates a comprehensive safety and security ecosystem, improving communication across platforms and automating critical tasks.

Key Benefits

All-in-one management

Unity Access integrates alarms, identity, visitor and intrusion detection management into an all-in-one solution so you can protect what matters most.

Video unification

Monitor and secure sites more effectively by integrating Unity Access with Unity Video for a powerful, end-to-end security solution.

Wireless lock integrations

Unity Access fully supports a wide range of wireless locks such as Allegion locks, Salto Virtual Network (SVN) data-on-card, ASSA ABLOY Aperio & IP-enabled locks and Simons Voss Smart Intego locks. With Unity Access, facilities can cost-effectively turn any locked door into a monitored and access controlled door, resulting in easier management and enhanced security.

Peer-to-peer replication & hot standby auto failover

Unity Access synchronizes core security information across peer-to-peer networks in real time, ensuring all operators see the most up-to-date information. This patented technology, along with hot standby auto failover, increases system uptime and protects valuable data.

Secure Linux OS

Unity Access hardware is built on Linux, which considerably reduces the risk of virus attacks and eliminates the cost of operating system licenses and upgrade fees.

Unity Access mobile app

Unlock Unity Access capabilities on mobile devices. This intuitive app allows users to swiftly perform daily operations and respond to critical events while on the go.

Mobile app integrations

Control access to places that do not have access-controlled doors or locks with Unity Access Verify; streamline access management by easily issuing HID Origo and Salto JustIN Mobile credentials directly from Unity Access; benefit from various intuitive mobile identification modes with STid readers.

Open architecture

Future-proof your system and prevent vendor lock-in with open-field hardware from Mercury Security and HID Global. RESTful API enables Unity Access to flexibly integrate with third-party devices and systems.

Wireless lock integrations with Avigilon Unity Access

Wireless lock integrations with Avigilon Unity Access offer a comprehensive and scalable solution for global installations. This powerful combination delivers seamless connectivity through an open API, allowing for all access controlled door components to be consolidated into one efficient platform.

Wireless locks supported

ASSA ABLOY

SALTO

SCHLAGE

Simons≡Voss technologies

VON DUPRIN

Key benefits

Reduced hardware costs

Lower hardware and wiring costs with the ability to connect Unity Access directly to the wireless locking solutions.

Modular design

Customize the lock to meet your current access control needs. Have the flexibility to make changes over time instead of replacing everything at once to minimize operational disruptions.

Enhanced security

Turn any door or sensitive area into a monitored, access-controlled door to increase security in and around your facilities.

Customizable lock configurations

Customize your reader type, chassis type, locking functions, power options, lever styles, finishes and more according to your access control and design needs.

No integration license fee *

Add wireless locks to new and existing projects without additional integration licensing fees when purchased from Motorola Solutions or approved partners.

* When parts are purchased from Avigilon.

ASSA ABLOY

ASSA ABLOY's Aperio wireless locks and IP-enabled Power over Ethernet (PoE) and Wi-Fi locks reduce the cost and inconvenience of wiring in and around an access-controlled door. Aperio locks can support a wide range of applications, including interior office doors, server room cabinets and storage lockers, as well as glass, wood, steel and slim aluminum entry doors. IP-enabled locks take advantage of your current network infrastructure to provide greater security and more cost-effective installations.

HID mobile credentials support

A large variety of credentials are supported, including the HID SEOS format. The HID SEOS format enables the use of HID Mobile credentials, allowing you to access doors using a mobile device.

One network cable for power & data

PoE locks utilize current PoE infrastructure to streamline the installation process, reduce costs and enable real-time communications for doors leading to high-security areas.

Wide application range

Aperio locks let you expand your real-time access control footprint to a wide range of applications in your facility, including glass doors, drawers, server cabinets and more.

Wireless solution for hard-to-wire doors

Wi-Fi locks leverage an existing Wi-Fi network to greatly reduce installation time as there are no wires to run. It is well suited for doors where wiring may be difficult or cost-prohibitive to install a wired lock.

ASSA ABLOY Aperio lock solutions

Corbin Russwin & Sargent In100 Locks

- Cylindrical lock, mortise lock and exit device configurations available.

- Integrated reader, monitoring and short range wireless radio simplifies installation and reduces material costs.

- Provides simultaneous support for multiple credential types, including low frequency (125 kHz), high frequency (13.56 MHz) and mobile access via NFC-enabled mobile phones.

Medeco P100 Pad Locks

- High security asset protection with audit control.

- Up to a 1000 credentials can be stored and the lock may be used online or offline up to 30 days.

- Supports the following RFID technologies: MIFARE Classic®, MIFARE Ultralight®, MIFARE® DESFire®, MIFARE Plus®, MIFARE® SE, MIFARE® DESFire® SE; iCLASS SE; iCLASS Seos®, iCLASS Seos Elite.

HES ES100 Wireless Electric Strike & Reader

- 2.4 GHz Aperio wireless technology.

- Integrates with existing access control systems and credentials.

- Lock down, remote unlock, and override capable.

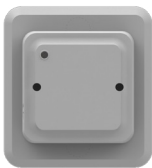- Battery operated for stand-alone operation 30,000 cycles.

Aperio Software

Aperio Programming Application | Software & USB Radio Dongle

- Software tool to set up and program Aperio-based products.

- Provides communication to Aperio-based products by simply plugging in the USB to the PC.

- Encrypted radio communication and installation database.

Aperio Hubs

Aperio RS485 communication hubs	AH20 (GEN5)	AH30 (Gen 5)	AH40 (Gen 5)
Max number of locks supported	1	8	32
Key features	• RS485 interface AH30 • POE AH40	• Encrypted radio communication • Integrated antenna	

IP-Enabled lock solutions and Integrated Wiegand

Corbin Russwin & Sargent SN 200 Locks

- Integrated design incorporates all access control components, including card reader, door, position switch, and request to exit monitoring sensor.

- Reduces energy consumption up to 96%, as certified by GreenCircle.

- Integrates easily with campus transactional and housing systems.

- Ideal for hard-to-wire locations.

Corbin Russwin & Sargent IN120/IN220 WiFi & POE Locks

- Cylindrical lock, mortise lock, multi-point and exit device configurations available.

- Supports multiple credential types to leverage existing IT infrastructure.

- Supports HID Mobile Access and SEOS technology for use with mobile devices with with Bluetooth Smart and/or NFC.

- Leverages HID multiCLASS SE technology for an easy transition to higher security credentials.

IP-Enabled Lock Software

Door Service Router (DSR) 8

- Acts as the go-between for Unity Access and ASSA ABLOY IP-enabled locks.

- Handles the connection management.

- Each DSR supports up to 2,048 locks.

- Includes a web-based DSR support tool for customer support.

Lock Configuration Tool

- Programs ASSA ABLOY IP-enabled locks

Salto

With the Salto Virtual Network (SVN) data-on-card system, access data is stored on the card itself, removing the need to update locks or panels every time the list of authorized users or their access rights change. This allows facilities to significantly streamline their access management process.

SVN data-on-card leverages RFID technology to update cards quickly – users simply present it through any online lock or wall reader. This ensures only the right users have the right access at all times, saving time on administrative work and providing greater protection without the need for complex or expensive wiring.

Why Unity Access and Salto?

- One interface
- Video integration
- Enterprise operations
- Scalability
- Streamlined access management
- Complete control
- Enhanced reporting

Complete Control

Having access data stored on the card itself allows you to control access to all doors, even the doors that are not connected to the internet, such as in remote facilities.

Continuous Updates

Ensure access rights on all doors are always up-to-date. SVN data-on-card enables locks to securely read, receive and write information to control access.

Scalability

Easily expand your access control footprint by simply adding more locks without having to change the existing infrastructure.

Over-The-Air Access Management

Issue Salto JustIN Mobile credentials easily from Unity Access, providing you with the ability to grant or modify a user's doors access rights over-the-air.

Salto lock solutions

XS4 Original+ Locks

- Simple installation is possible on any type of door, including those with narrow frames.
- Body and escutcheon made of steel.
- Available with mechanical cylinder cut outs for key override or access lock outs (override mortise cylinders).

XS4 Mini Locks

- Simple installation, using just two screws when installing on new or existing ANSI cylindrical latch door standards.
- Clear, dual color optical signaling indicates access authorisation; acoustic signal optional.
- High security via high resistance, hardened anti-drill protection.

XS4 Locker Locks

- Easy to maintain; battery change is all that's needed.
- Outer thumbturn with red/green indicator for availability of the locker; electronically managed release.
- User on card audit trailing capability via SVN.

Ælement Locks

- Reader body made using double layered injection construction.
- Clear dual color LED light (green/red) to indicate lock authorisation.
- Mechanical privacy option by a mechanical thumbturn.

Neo Cylinder Locks

- All communication between the carrier and the electronic cylinder is encrypted and secured.
- The batteries can be replaced without cylinder removal.
- Optical signaling through light ring; dual color green/ red to indicate access authorisation; acoustic signal optional.
- Anti-drilling protection.

Neoxx Padlocks

- Built with a special armored case to protect it from falls, shocks, harsh environments and extreme climates.
- All communication between the carrier and the electronic cylinder is encrypted and secured.
- Optical signaling through light ring. Dual color green/ red to indicate access authorisation.

GEO Padlocks

- Designed for use in internal, non-harsh environments.
- Fully integrated with the Salto XS4 platform.
- Padlock made of brass; Padlock shackle made of stainless steel.
- Virtual network capable through Salto Virtual Network technology.
- Communications between the carrier and the Salto GEO padlock are encrypted and secure.

ANSI Mortise Locks

- Suitable for ANSI standard escutcheons and electronic cylinders.
- High security heavy duty mortise lock for exterior and interior ANSI standard doors.
- Lock case, latch and deadbolt made of steel for better durability and security.

Salto software

Salto Proaccess Space

- Direct integration with Unity Access via the secured SHIP protocol.

- Easy-to-use software to setup, configure and manage Salto hardware and network.

- Fast, easy, secure installation and compliant with the highest IT standards.

- Reliable and secured database infrastructure with SQL or Windows-based authentication.

Salto network solutions

BLUEnet repeaters

- Extends the wireless range between Gateway or the Node to the access point by up to 16 meters indoors.

- Manages up to 16 wireless locks.

- RF standard: Bluetooth®.

- AES 128bits encryption.

Gateway rfnode BLUEnet

- Links a PC and the wireless network.

- Managed through Salto ProAccess SPACE software and collects all the information sent by the escutcheons through the nodes.

- Frequency range: 2400 - 2483,5 Mhz.

- RF standard: Bluetooth®.

- Indoor radio range: 10/15 meters.

Salto SVN Online - Cu42e0 Controller

- Online TCP/IP networked based door control unit.

- Can control up to 4 auxiliary Salto controllers and manage up to 10 doors.

- Two wall reader connections that can be configured as 2 different doors or one door reader in and reader out locking.

Salto Auxiliary - CU4200 Controller

- Two wall reader connections that can be configured as 2 different doors if it is connected to CU42E0, or one door reader in and reader out locking, if set up as offline and programmed via PPD.

- Antipassback mode available by connecting 2 wall readers and setting up as one door.

- Door monitoring and tamper monitoring via contacts input (intrusion alarm and door left opened alarm).

Salto Expansion Board - CU4EB8

- Works with the CU42xx.

- Input and output board managed by the controller.

- Software configuration.

- Up to 16 connected units.

- Additional control output relays secure.

Salto UBOX4000

- Online TCP/IP networked based updater.

- CU ADAPT function for third party integration.

- Two wall reader connections for entry and exit.

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Salto readers

Design XS - ANSI Wall Reader

- Modern aesthetic design with green/red and blue clear LED colour optical signal.
- Compatible with standard ANSI electric boxes.
- Housed in a two-piece, weatherproof secure electronics potted enclosure.

Design XS - ANSI Keypad Wall Reader

- Modern aesthetic design with green/red and blue clear LED colour optical signal.
- Compatible with standard ANSI electric boxes.
- Permits additional opening modes and user authentication through a user PIN.
- Housed in a two-piece, weatherproof secure electronics potted enclosure.

### Design XS - Mullion Wall Reader

- Compact slim reader module design reader with green/red and blue LED colour optical signal.
- Designed for narrow or aluminium profile doors, installation with minimal impact.
- Indoor and outdoor application, designed for weather resistance.

Salto Encoder

NCoder

- Communications protected by standard cryptography.
- Built-in Ethernet and USB interfaces.
- DHCP IP addressing.

Salto credentials
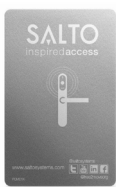
Key Cards

- Available in 1 Kbytes/4 Kbytes of memory.
- Available in white, Salto design and other design.
- Same size and thickness as a standard credit card.

Key Fobs

- Available in 1 Kbytes/4 Kbytes of memory.
- Available in various colours, Salto design and other design.

JustIN Mobile Credentials

- Issue Salto JustIN Mobile credentials from Unity Access.
- Data directly stored on the smart keycard and can quickly be updated with RFID technology.

Salto panic hardware

XS4 PBF 110 - Panic Bar

- Easy of use and installation.
- Salto XS4 PBF110 series exit devices are UL listed for Panic Hardware and Fire Exit Hardware, and are certified according to ANSI A156.3, 2001, Grade 1.
- Equipped with anti-drilling protection.
- Suitable for medium to high security applications.
- Emergency opening via portable programming device (PPD).
- AMOK option for offline lockdown.

Salto portable programming devices

Salto contactless Portable Programming Device (PPD)

- Multilingual interface facilitating maintenance operations.
- Transmits the door's access plan where the lock, reader and cylinder are installed.
- Downloads all registered events from locks, readers and cylinders.
- Update locks (door profile & internal clock).

Allegion

Allegion offers a wide range of battery-powered, wireless locks such as the AD400, LEB, NDEB and Control locks to suit different access control needs. Facilities can cost-effectively extend electronic access control deeper into the building beyond traditional perimeter and high security openings. In addition, Allegion wireless locks allow you to upgrade to new technologies without taking the physical locks off the door.

Flexible integration module

Choose the lock and technology you need for each access controlled door of your facility and manage it centrally through Unity Access

Gateway IP support

Reduce the infrastructure required to connect Unity Access to the locks wirelessly and have the ability to interact with the locks live.

Panel Interface Module (PIM) support

Unity Access can connect to Allegion AD-400 locks for long range communications in real-time.

Offline WI-FI support

Unity Access can connect to Allegion NDEB and LEB locks via offline Wi-Fi without requiring any additional hardware in-between, enabling easy installation and cost-savings.

Allegion lock solutions

Allegion AD400 Locks

- Cylindrical, mortise, mortise deadbolt and exit trim chassis options available.

- Built-in credential reader and access control sensors for simple installation.

- Long-range and reliable communication with 900 MHz wireless technology to the PIM400.

Allegion LEB Locks

- Comes with mortise lock, credential reader and access control sensors in one package for simple installation.

- LEB mortise locks can be ordered with LED indicator, interior push button (IPB) or deadbolt for storeroom, privacy, apartment and office applications.

- Enables the use of proximity, smart, Bluetooth (LEB only) and NFC credentials for security and versatility.


Allegion NDEB Locks

- Comes with cylindrical lock, credential reader and access control sensors in one package for simple installation.

- NDEB cylindrical locks can be ordered with IPB for storeroom, office, privacy and apartment applications.

- Enables the use of proximity, smart, Bluetooth (NDEB only) and NFC credentials for security and versatility.

Allegion Control Mobile Enabled Locks

- Designed for multifamily residences by allowing residents to gain access using a smart credential or smartphone.

- Deadbolt or interconnect lock (single-motion egress) options available.

- No-Tour feature allows property managers to assign and change access rights without visiting locks.
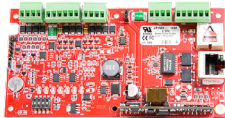
Gatway (RS-485)

This real-time interactive mode leverages all the features of the locks and offers optimal performance.

In this mode, edge devices operate as replica devices under RSI protocol: RS-485. Access decisions are made by the intelligent Mercury controller.

Gateway IP

In this setup, the intelligent controller is eliminated and Unity Accesscommunicates with the locks via the Gateway.

Edge devices run autonomously based on the configuration such as schedules, tokens, etc. defined in Unity Access. Device status and transactions are reported in real-time back to Unity Access.

Offline Wi-Fi

With no in-between hardware between Unity Access and the locks, offline Wi-Fi is very easy to install as it relies on the existing infrastructure.

Offline Wi-Fi connected locks call Unity Access at defined appointments once a day by default. Outside of these appointments, communication is limited to critical events (e.g. door forced or tamper, low or critical battery, etc).

PIM400

Multiple models available

The PIM provides long-range and reliable real-time communication for AD-400 locks.

PIM communicates with AD-400 locks via 900 MHz wireless technology, operating independently of the IT network. Access decisions are made by the intelligent Mercury controller that the PIM is connected to.

Simons Voss

Simons Voss' SmartIntego line consists of a locking cylinder, SmartHandle and padlock to fit into a variety of installation environments. These high-quality and durable electronic wireless locks can handle transmission standards in all established card formats. Together, SmartIntego offers flexible interfaces, high-performance protocols and open system design for a state-of-the-art locking solution.

Lock solutions

Simons Voss SmartIntego Locks

- Locking cylinder, SmartHandle and padlock options available.
- Integrates with Mercury Security hardware for real-time communication.
- Open system design for use of existing IT infrastructure.

Snap-In Installation

Locking cylinders and SmartHandles can be installed on doors without the need to drill holes. This is especially beneficial for rental property or fire doors where drilling may be forbidden.

Gateway Node Support

Reduce the infrastructure required to connect Unity Access to the locks wirelessly and ensure continuous two-way communication.

Long Battery Life

In online mode, the battery cells can manage up to 80,000 activations while the average battery life in standby mode is five years.

Von Duprin

Von Duprin crash bars are an ideal access control solution for schools, hospitals and government buildings with options for Remote Undogging (RU) and Remote Monitoring (RM). The RU option is a battery-powered, wireless solution that enables remote undogging and door status monitoring. It enhances perimeter security by providing electronic override of mechanical dogging for emergency facility lockdown. The RM option is a sensor-only configuration for exit-only or fire-rated doors that require monitoring. It provides visibility to request to exit (RX), latchbolt monitor (LX) and door position switch (DPS).

Lock solutions

Von Duprin RU/RM Crashbars

- Complimentary to existing access control solutions and enables more comprehensive perimeter lockdown.

- Does not require a change to process or addition of scheduling because the ability to manually dog and undog remains.

- Access control managed via an IP or RSI/RS-485 connection to the Allegion ENGAGE gateway allows you to add on to your existing system.

Enhanced security

RU/RM options enable remote undogging for daily lock-up or a more comprehensive emergency lockdown. In addition, it allows you to initiate undogging from a secure location.

Cost-effective

As a wireless, battery-powered solution, it eliminates the need to run wires and reduces the number of components required. Both RU and RM modular kits can be added to existing Von Duprin 98/99 and 33A/35A series devices.

To learn more, visit:
avigilon.com/unity-access