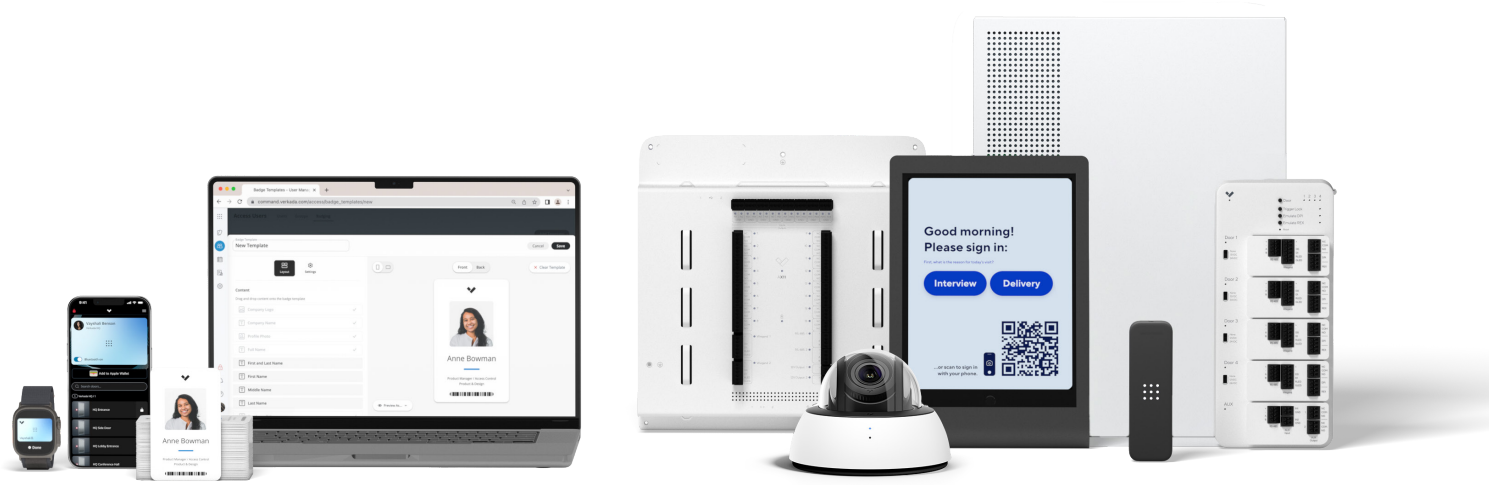
Hybrid-Cloud Access Control for the Modern Enterprise



Overview

Verkada Access Control offers a secure and scalable way for managing access by combining enterprise-grade hardware with an integrated, cloud-based management platform.

Verkada's access control lineup includes the AC12, AC42, AC62, and AX11 access controllers; the AD34 and AD64 door readers; the AF64 Access Station Pro, which is a PoE-powered reader-controller with biometric facial authentication; and the AL54 wireless lock. Verkada also offers DESFire EV3 cards or fobs, a Bluetooth-enabled app, and support for other physical, Bluetooth, and Mobile NFC credentials - providing organizations with several options for enabling access.

Organizations also have flexibility in how they structure their deployments: Verkada access controllers are compatible with Schlage, ASSA ABLOY, and SimonsVoss wireless locks as well as any Weigand or OSDP-based readers, sensors, switches, or peripherals.

Once doors and devices are online, they can be centrally managed across sites in Verkada Command. Admins can define user permissions, set door schedules, customize alerts, respond to emergencies with lockdowns or roll call reports, and more.

Key features

Complete access control system

- Robust family of one-door, four-door, 16-door, and 16-port IO controllers that are compatible with first- and third-party hardware
- End-to-end user management with automated onboarding, badge printing, and user deprovisioning
- Support for different configurations, from OSDP and Weigand wired card readers to wireless locks and elevator support

Cloud-first model

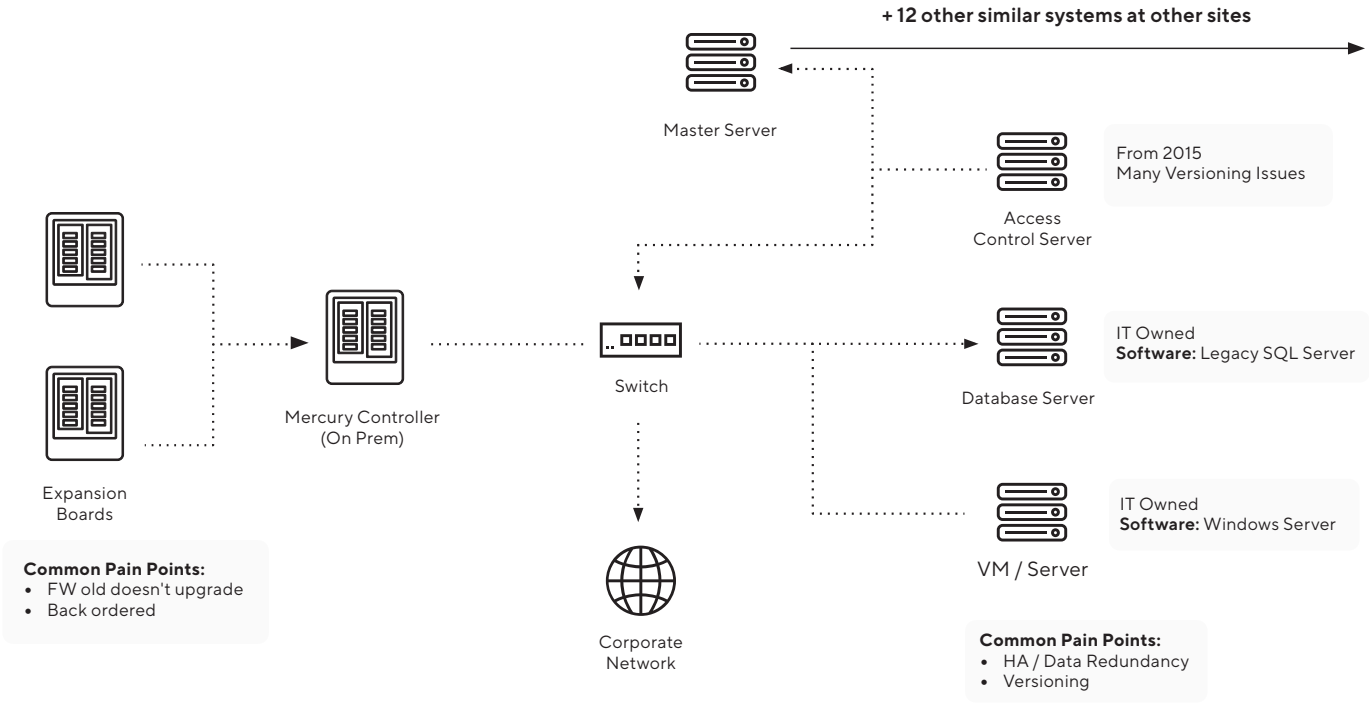
- Hybrid-cloud access controllers replace on-premise infrastructure — no more access servers, databases or local clients needed
- Easy to scale across doors, sites, and geographies
- Automatic firmware and software updates requiring no manual overhead
- Door operations maintained even in the event of network outages, with edge processing and cross-device communication

Native Verkada integration

- Video Security integration for enhanced visibility and simplified investigations
- Guest integration to configure temporary access for visitors and guests
- Alarm integration to simply disarm alarm systems by badging
- Intercom integration with a built-in door controller and reader in one form factor

Verkada's Software-First Approach to Access Control

Traditional Access Control on-premise infrastructure



Unlike Verkada, traditional access control systems require an array of costly, difficult-to-maintain on-premise systems, servers and databases. This infrastructure presents a number of challenges:

Significant IT overhead requirements

- Mercury hardware, access servers and SQL servers require constant firmware updates, security patches and ongoing maintenance
- Update incompatibility, database migrations and versioning issues cause costly downtime
- Costly infrastructure needed to ensure high availability & backup for all on-prem systems

Scalability

- Scaling on-prem systems to new locations requires VPN or cloud link integrations to unify information on a web-based portal
- No native integrations with video, alarms / monitoring and other systems, siloing important physical security data
- Legacy systems lack intuitive, automated SMS / email alerting and notification capabilities

Security vulnerabilities

- Security patches need to be deployed locally system by system
- Higher risks of failure points with centralized physical security
- IT and physical infrastructure on complex on-prem systems
- Firmware updates and software updates cause frequent compatibility issues and security vulnerabilities

High total cost of ownership

- Complex systems have high upfront costs and ongoing maintenance costs
- Costly and unpredictable ongoing costs to manage breakdowns and repairs
- High amount of lost time spent on searching through access event logs, getting access and exporting information for investigations
- Scaling systems to more doors or users requires additional on-prem infrastructure and new costs

Verkada's cloud-based Access Control

Hardware reconsidered
Redesigned, simplified access control hardware for easy installation and minimized on-prem footprint

Easy to scale
No servers, databases, or thin clients to manage — do everything from a cloud-based platform

Centralized management
Modern platform enables secure access on any device from anywhere in the world

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The Reliability of On-Device Storage, With the Scalability of the Cloud

Verkada transforms physical access control by simplifying access hardware and utilizing a hybrid-cloud architecture. With Verkada's simplified, reliable access hardware and intuitive software, organizations can achieve greater speed and scale with their access control system footprint.

Simplified hardware

- All-in-one hardware units replace complex configurations and disparate on-prem systems
- Thoughtful design streamlines installation, testing and maintenance
- Native cloud-based system moves access control workloads to the cloud behind an intuitive software system

Intuitive tools for enhanced security

- Incident search times reduced to seconds with simplified search capabilities for all access events
- Enhanced incident response and threat detection with automated alerts and SMS / email notifications
- Native camera integration allows for automated security monitoring with AI and ML applications to detect tailgating, crowds and more

Unified access control

- Cloud-based management platform unifies access control systems and users across sites, geographies, and users
- Intuitive Command platform and role based access control allows any user to manage the system - not just IT experts
- Native camera integration provides important context and search capabilities for all door events, device, and system operations, internal foot traffic and more

Speed and scale

- Unified cloud-based system allows for easy scalability and centralized management
- Edge-based access control provides the scale of the cloud with the speed and security of on-device systems
- Secure encryption technology ensures that on-device data is secure and accessible only from the Verkada cloud

Verkada unified physical security cloud overview

An Integrated Platform for Building Intelligence, Greater Visibility and Real-Time Control

From Command, organizations can also deploy automated and integrated security tools to take a more proactive physical security posture across their organization.

Key features

One-click integrations

- Associate Verkada cameras with access controlled doors to get increased visibility
- Leverage Verkada guest to extend building access to visitors and guests, while still maintaining the same level of visibility and control
- Add multiple cameras to see events from multiple angles and deploy powerful tools like tailgate detection

Enhanced access intelligence

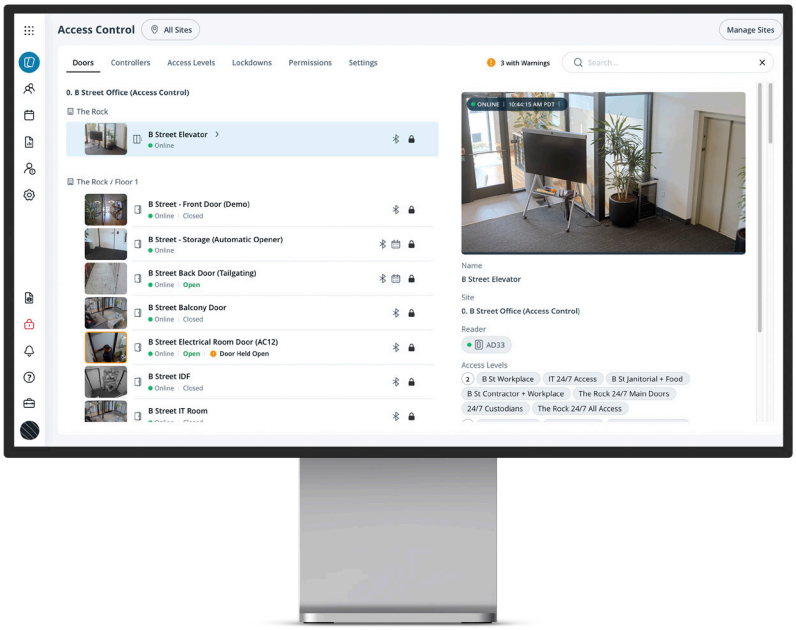
- Instantly see door events and associated context to spot anomalies or risks
- Leverage integrated, edge-based camera AI capabilities like crowd and person of interest detection to add a layer of security beyond physical access control
- Quickly search historical footage with AI- and ML-powered search applications like facial recognition, line crossing, appearance matching and more to identify any patterns or anomalies
- Filter by events such as unlocks, door opens, and access granted or denied to identify key events

Real-time response

- Stay informed without information overload with SMS and email alerts for doors held open, door forced open, suspicious entry and emergency scenario events
- Respond to emergencies by instantly triggering a lockdown on doors, sites and more from Command web, mobile or the Verkada Pass App
- Automatically call first responders when needed by adding alarm verification to access controlled events
- See who is safe and who is missing in an emergency scenario with roll call reports

Verkada Command: Access Control platform overview

A Unified, Cloud-Based Platform to Manage Enterprise-Scale Access Control



Command, Verkada's unified cloud-based software platform, delivers simple access control management for all doors, peripherals, cameras and users across all sites globally. From Command, organizations have a single, intuitive system to manage everything related to access control and physical security.

Unified access management

- Manage doors and user access from anywhere on a simple platform
- Centralize door and user policy to simplify access management across every site in your organization
- Manually override door or schedule access for a set amount of time to quickly make adjustments to set schedules

Powerful admin tools

- Get a single, cloud-based view of all door activity data by associating locks, readers, door position indicators and request-to-exit devices within a single view with Command-based door
- See device status for all access devices across your organization to get a one-step pulse of the health of your building's physical access security
- Control door access by user group, access level, or door schedule to simply create the right role-based access control permissions for your organization
- Quickly adjust user permissions, access settings and even lock or unlock doors from anywhere
- See all door activity in real-time on building floorplans

Simplified permissions and schedules

- Easily create and configure access permissions, access levels, door schedules and more, from almost anywhere globally
- Create schedule exceptions or temporary schedules easily to modify access levels and permissions for events, incidents, schedule changes and more
- Create custom access settings or utilize a per-site access to parallel management structures from other Verkada devices

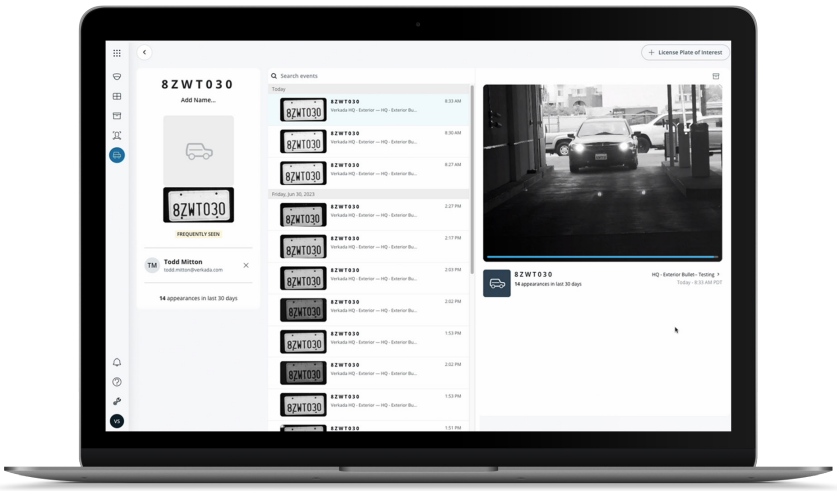
Simplified credential management

- Integrate Verkada with SSO systems for automated profile creation, provisioning and deprovisioning
- Assign any access method including cards, fobs, and mobile credentials
- Leverage access integrations to add multi-factor authentication through readers, locks, keypads or biometric access points

Powerful reporting

- Get a consolidated view of all users, groups and access events across the organization in one click
- Review access events or schedule delivery of time-, user-, site-, door- and event-based reports
- Quickly view and export video clips of all user access events for quick analysis and investigations

License Plate Recognition to Unlock Gates



Overview

Verkada License Plate Recognition (LPR) Unlock integrates Verkada camera and Verkada access control capabilities to provide secure and hassle-free vehicle access. For users, LPR unlock eliminates the need to badge in, allowing for more seamless gate entry. For admins, LPR unlock adds a new user credential type and provides more data and actionability to door entry events with expanded access control event functionality.

To utilize LPR unlock, customers need to configure and integrate LPR systems with CB52 or CB62 cameras and door unlock capabilities with a Verkada AC12, AC42 or AC62 door controller. More information on configuring LPR systems with the CB52 and CB62 cameras can be found here and more information on configuring access control can be found here.

All LPR unlock capabilities for plate credentials, schedules and access levels can be configured in Verkada command. No additional software licenses or hardware is required.

Key features

Unlock gates with LPR camera technology

Customers who have CB62 or CB52 cameras deployed for License Plate Recognition (LPR) applications can extend the functionality of their cameras to physically control the gates to their buildings.

Simplified access control configurability

With LPR unlock, admins can deploy a practical and manageable LPR experience that enables efficient security at all gates. License plates inherit all of the existing access levels and schedules within a user's access profile, which can be managed via .csv upload or or by configuring an individual access control user profile.

Actionable data enhances parking lot security

LPR unlock displays gate unlock events on the access page as an entry event. These events can be searched and filtered. Like any door type, all LPR access control events can be used as inputs for alarm triggers, seen in the alert inbox, and accessed programmatically through Verkada's access control APIs.

Use cases

Bus depots and distribution centers

LPR unlock can secure and provide access to parking lots where drivers may be operating large buses and trucks and may have difficulty accessing a badge reader to open a gate.

Seamless building access

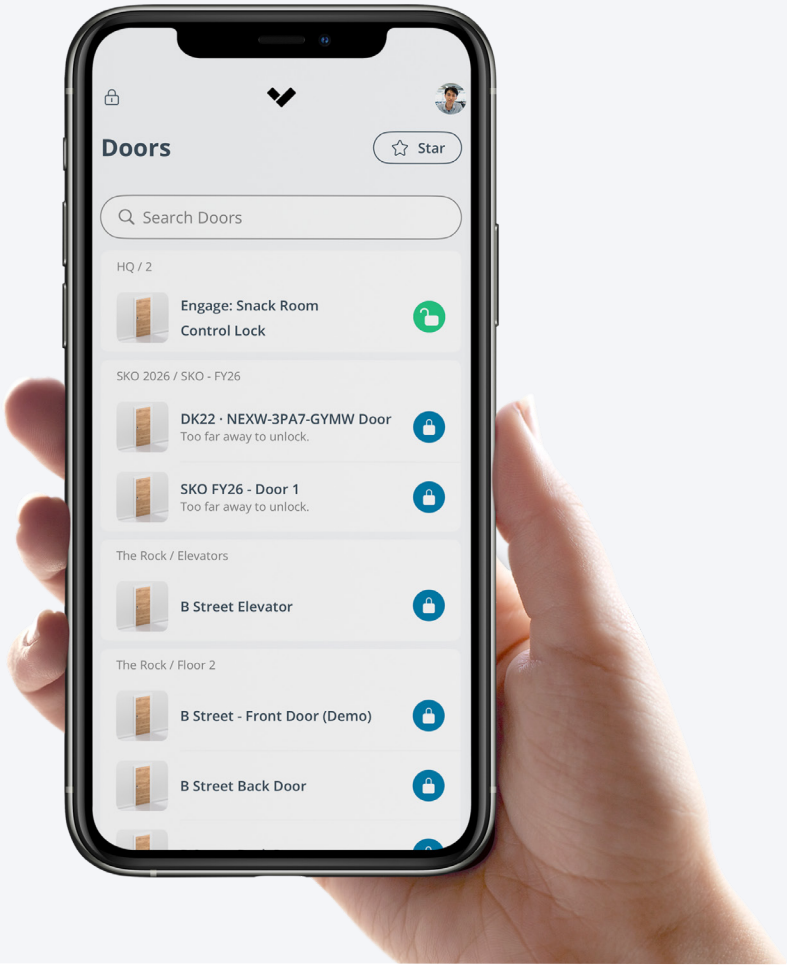
LPR unlock is a great method for providing hassle-free vehicle gate access to employees and guests who are arriving at a facility via car.

Parking lot security

For garages that are unlocked or can be unlocked based on non-credentialed motion sensors, LPR unlock can help secure parking lots from car theft or unauthorized use of EV charging stations.

Verkada Pass App

Your Digital Key Card to Accessing Buildings



Touchless Entry via BLE

The Verkada Pass app is an iOS and Android application that provides a modern badging experience with secure Bluetooth access.

Cardless touchless entry

- Leverage employee smartphones to unlock doors in order to increase security and provide a more convenient way to access buildings
- Mobile geofencing ensures users are within a set distance of access points before being able to remotely unlock a door
- Large scan ranges and powerful Bluetooth signal capabilities allow for hands free door access, parking garage access and more

Powerful tools beyond badging

- Create custom lockdown scenarios to immediately secure buildings in case of an emergency and initiate them with a single tap
- Users can remotely unlock authorized doors through the Verkada Pass App from anywhere in the world

Give employees a modern badging experience

- Give employees the same seamless digital experience they get from personal apps in a workplace access solution
- Replace disjointed keys and cards with a simplified, globally scalable solution for a more modern end-user experience
- Allow employees to view the doors they have access to as well as associated camera feeds for more building awareness and enhanced transparency

Mobile NFC Credentials

Magically Simple, Effortlessly Secure

Overview

In addition to secure physical and Bluetooth credentials, Verkada supports mobile NFC credentials on both Apple and Android devices. NFC is a short-range communication standard that creates a stable and secure connection, allowing employees to unlock doors simply by tapping their mobile device.

Key benefits

Effortless badging

- Employees can easily badge in with their mobile phone or Apple Watch
- If an iPhone needs to be charged, users can still use their badge for up to five hours with Power Reserve

Streamlined credential management

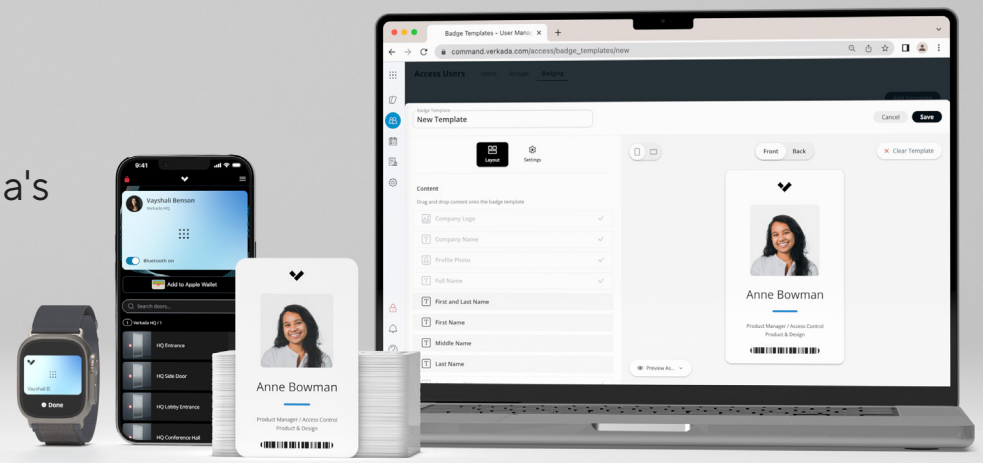
- Easily provision and manage mobile credentials in Verkada Command, manually or via an SSO provider
- No more printing, distributing, or replacing physical credentials helps save time and money

Increased security

- With a scan range of <0.4", NFC requires explicit user intent to unlock a door, helping to avoid accidental unlocks from passersby
- By default, employees can access doors whether or not their mobile device is unlocked. For increased security, admins can require the device be unlocked
- If an iPhone is misplaced, the owner of the device can use the Find My app to remotely lock the device and help locate it

End-to-end access credentials

End-to-end Credential Management In Verkada's Cloud-based Platform



With Verkada's integrated access control, user credentials, and physical security tools, organizations can take an end-to-end approach to credential management. With Verkada, the credential workflow is streamlined from automated onboarding, to badge design, credential provisioning, automated deprovisioning and more.

Take a Modern, Integrated Approach to Credential Management

Automated identity management with SCIM integration

- Streamline the management and authentication of access users with Verkada's SCIM integration
- Synchronize users from Single Sign On systems like Okta and Entra ID (Azure AD) and capture access levels and groups natively
- Stay ahead and in control of identity management and ensure everything is running smoothly and correctly

Simplified badge design and printing

- Easily design, print and administer credentials right from Verkada Command, saving time and software costs
- Leverage existing user profiles, active directory integrations and access control configurations to design and print badges
- Utilize dozens of distinct fields to customize your employee or student badges

Access Control events API

- Build custom integrations between Verkada and third party or in-house systems
- Push events (e.g., door unlocks, access granted, lockdowns) via webhook to get real-time updates of each event or build a programmatic layer on top of access events
- Pull access control events in bulk based on specific criteria for business analytics applications and reporting

Simplified credential management

- Provide employees with mobile credentials or a physical ID card with one click
- Delete users in one click to remove all access permissions profile information across access sites and systems instantly and automatically
- Suspend users temporarily to remove access permissions while still maintaining profile settings and historical records
- Spot- or bulk-print student and employee badges with one click

Versatile access methods

- Use the Verkada Pass app for touchless BLE entry or tap to unlock with mobile NFC credentials on both Apple and Android devices
- Via AF64, use face unlock to gain fast, convenient, and secure access
- Print badges to any standard badge type and with any standard printer – a full list is available here
- 128-bit encryption NFC cards offer a programmable and printable card format that customers can quickly deploy right from Verkada Command

Access Control user API

- Programmatically add, delete, or modify a user or the access of a user
- Powerful integration capability with on-prem Student Information Systems (SIS) like PeopleSoft
- Powerful integration capability with cloud-based user management systems like Workday

Proximity cards
Tech Specs

General

Name & Model Number	ACC-PROX-1	**Base Part Number - PN**	2A-68001-A
Descriptor	Proximity Cards	**Size**	Height: 54.2mm / 2.1in Width: 85.9mm / 3.4in Depth: 0.9mm / 0.035in
Compatibility	Works With Standard FSK Prox	**Weight**	0.24oz / 6.8g
Chip Type	T5577	**Box Quantity**	100 cards
Frequency	125 KHz / Bit rate	**Warranty**	10 years
Hole Punch	A punch can be made vertically on a portrait badge up to 1 inch from the top edge, we do not recommend punching along the horizontal axis there is a risk of punching through the antenna.		

Encrypted cards
Tech Specs

General

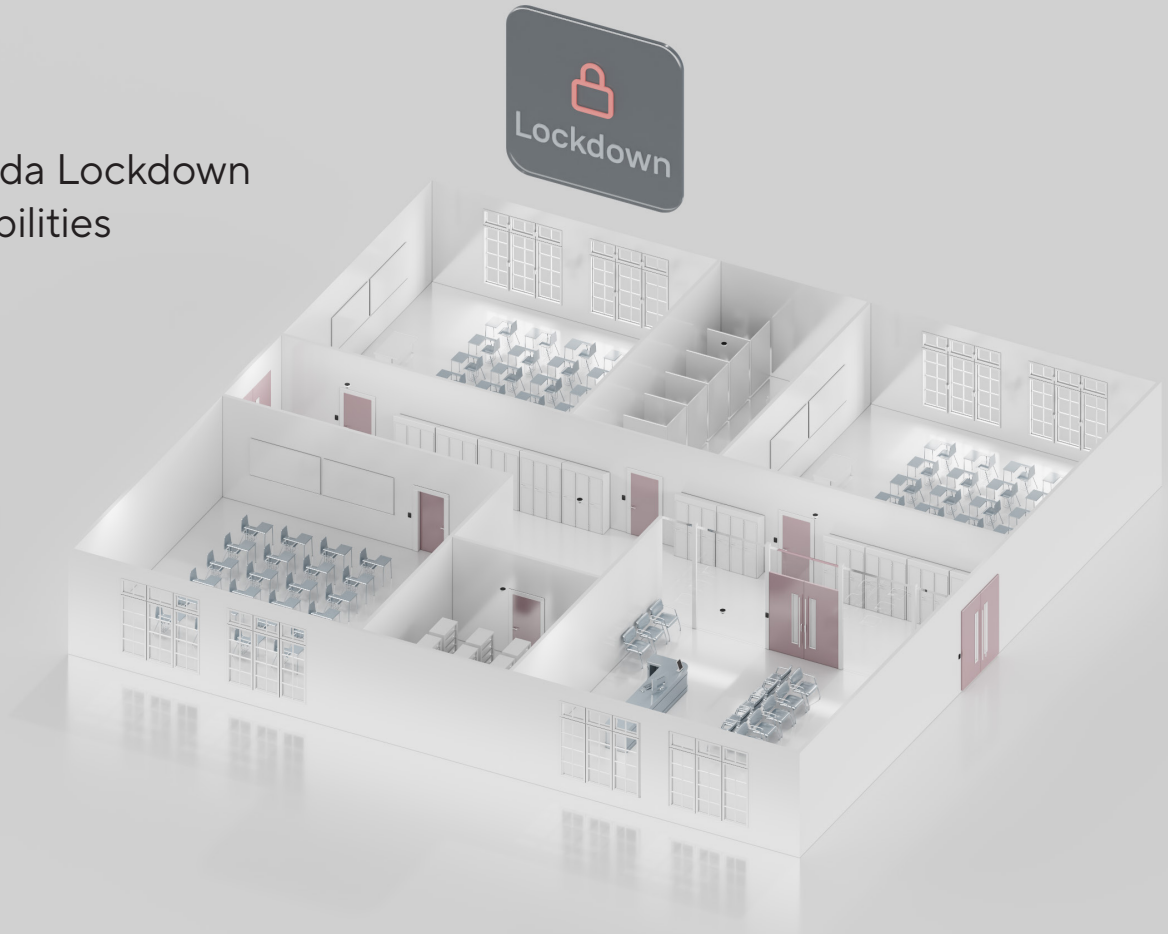
Name & Model Number	ACC-EV3-1	**Base Part Number - PN**	2A-78001-A
Descriptor	High Frequency Smartcard	**Size**	Height: 54.2mm / 2.1in Width: 85.9mm / 3.4in Depth: 0.9mm / 0.035in
Compatibility	Works with all Verkada readers	**Weight**	0.18oz / 5.1g
Chip Type	MIFARE DESFire EV3	**Encryption**	AES 128 bit
Frequency	13.56 MHz / Bit rate	**Warranty**	10 years
Hole Punch	A punch can be made vertically on a portrait badge up to 1/8" along the edges furthest from the Verkada logo	**Box Quantity**	100 cards

Encrypted Fobs
Tech Specs

General

Name & Model Number	ACC-EV3-FOB-1	**Size**	Height: 1.7in (4.8cm) Width: 1.4in (3.6cm) Depth: 0.2in (0.5cm)
Descriptor	High Frequency Fob	**Weight**	0.004oz / 0.1g
Compatibility	Works with all Verkada readers	**Encryption**	AES 128 bit
Chip Type	MIFARE DESFire EV3	**Warranty**	10 years
Frequency	13.56 MHz / Bit rate	**Box Quantity**	50 fobs
Base Part Number - PN	2A-B18001-A		

Verkada Lockdown Capabilities



Verkada Access Control provides enhanced security and emergency preparedness tools through integrated lockdown capabilities. Rather than requiring organizations and individuals to manually lock doors in an emergency, Verkada saves precious time by automating lockdown procedures and allowing individuals to trigger lockdowns from any device. Peer-to-peer communication capabilities allow organizations to even trigger a lockdown and corresponding AUX outputs in the event of an internet outage.

Configure custom scenarios

- Create lockdown scenarios at the doors, site, buildings or organization level to ensure you can react in real-time
- Configure alerts and notifications for lockdown scenarios so the right people are aware that a scenario has been triggered
- Allow admins and other users to monitor alerts and activate lockdowns as needed - from a single pane of glass – in Verkada Command
- Integrate lockdown capabilities into your organization's ongoing emergency preparedness procedures to enhance response time
- Configure emergency response workflows with Verkada Alarms to better respond to lockdown scenarios by calling authorities and triggering other response protocols

Multiple devices to activate a scenario

- **Activate from Command:** Organizations can activate a lockdown scenario in Verkada Command for a single-pane-of-glass security experience
- **Activate from Verkada Apps:** Organizations can activate a lockdown from the Verkada Pass App or Command Mobile for faster lockdown response, from anywhere
- **Activate from an alarm scenario:** Organizations can respond to Alarm events by triggering a lockdown scenario - configure to trigger automatically or verify the event first with 24/7 professional monitoring
- **Activate from a Panic Button:** Organizations can activate a Lockdown scenario from a dedicated panic button to equip occupants with the fastest possible emergency response methods

Event Bridge with AX11

Get Verkada Video Analytics On Any Door - Even Those Powered by Third Party Controllers

Event Bridge with the AX11 makes Verkada Cameras even more powerful by adding video analytics to doors that are not secured by Verkada. With event bridge, access events from existing alarm and access systems stream directly into Command and generate events, alerts and more to give organizations better visibility of every entrance and exit.

Extending Verkada to more devices and peripherals

- Pair a Verkada camera to existing access controlled doors to get video context on any door event
- Integrate computer vision functionality like crowds, Person of Interest detection, motion and more across doors controlled by Verkada and third party hardware

Real-time alerts and reports

- Configure granular SMS or email notifications for more proactive incident response
- Export reports to investigate or audit historical events
- Integrate with third party alerting systems like shoplifting tags to get added video context and searchable reports for third party systems

Alarms integration with professional monitoring

- Use event bridge door events as triggers for Verkada Alarms
- While your site is armed, agents will review video footage of these events from nearby cameras in real time

Live and historical Access events

- Enable the Access tab to see when the door is opened and held open
- Generate access events for every entry and door held open event to view door activity over time and quickly investigate incidents
- View all your cameras and doors from Verkada's centralized Command platform

Best of both worlds

- Continue using your existing access control or alarms system to avoid disruptions to your business
- Bring doors into the Verkada Command platform without needing to do a full system migration
- Installations take hours, not days
- Migrate from legacy systems to Verkada Access Control as systems go end of life

AC12 one-door controller

Cloud-Managed Access Control for Standalone Doors

Overview

The AC12 one-door controller brings cloud-managed access control to standalone doors that would otherwise be difficult to secure with an electronic system. The AC12 is powered by a single PoE cable, minimizing the need for costly building modifications or long low-voltage cable runs between doors and IDF closets. Its compact form factor allows for easy installation in tight spaces while its low-profile design blends into most environments.

The AC12 can power most electronic locks and supports native in/out badging with any combination of Verkada and third-party readers. It also includes PoE passthrough, which can provide consistent data and power to any PoE+ peripheral device, such as a Verkada camera.

Like all Verkada access controllers, the AC12 works out of the box and is easy to deploy and manage from Verkada Command. The AC12 comes with a 10-year warranty.

Key features

Compact design

Powers one lock, two readers, a PoE peripheral, and common door accessories from a single, low-profile access control unit (ACU).

On-device reliability

Onboard storage and processing ensures the device will operate even if it has lost power or its internet connection.

Native in/out door support

Two reader ports support any combination of Verkada and third party readers for native in/out door support.

PoE Passthrough

PoE passthrough provides consistent power and data to any PoE+ peripheral device, such as a Verkada camera or alarm console.

Cloud-managed

Verkada Command empowers admins to manage their access control system from any device in nearly any location.

Flexible access credentials

End-users can deploy the credential method(s) that works for them including printed cards or the Verkada Pass mobile Bluetooth application.

AC12
Tech Specs

Power and network

Power Consumption	15W Max (on PoE), 28W Max (on PoE+) 60W Max (on PoE++ with PoE passthrough camera)	**Power Input**	IEEE 802.3af/at/bt PoE, PoE+, PoE++ (37VDC — 57VDC), 600mA maximum per pair; 12VDC with 2.5A minimum current
Inputs	2x REX inputs 1x DPI input 1x AUX input	**USB Connection**	5V USB power source
DC Power Output	1x 12VDC @ 100mA maximum	**Connectivity**	Ethernet: 10/100/1000 Mbps RJ-45 for network connection USB 2.0
PoE Output	IEEE 802.3af/at PoE, PoE+ (37VDC - 57VDC), 600mA maximum		

Reader and relay ports

Door Reader Ports [1]	2x 12VDC @ 250mA Verkada / RS-485 ports 2x 12VDC @ 250mA 2x Wiegand ports	**Relay Outputs (Aux Ports)**	1x dry relay for auxiliary output with maximum pass-through power of 24VDC @ 2A (resistive load)
Relay Outputs	1x wet or dry relay Wet relay switch-selectable power: 12VDC operation 700mA max, 24VDC operation 350mA max		

Compliance and availability

Availability	USA, CAN, UK, EU	**Compliance & Safety**	FCC Part 15B Class B, ICES-003 Class B, CE, UKCA, VCCI, RCM, UL 294, CAN-ULC 60839-11-1, UL 62368-1, and CSA C22.2 No. 62368-1, IK06, compliant with requirements of UL 2043, indoor use only, to be used in controlled, protected, and/or restricted access areas. Installation and operation of the electronic access control system (EACS) shall not prevent the functionality of the emergency exit functions.

General

Dimensions	Length: 175.5mm / 6.9in Width: 55.3mm / 2.2in Height: 175.4mm / 6.9in	**Mounting Options**	Wall, ceiling, or Plenum mount
Weight	1.3kg / 2.9lbs	**Operating Temperature**	0°C - 50°C (32°F - 122°F), 5 - 85% Humidity
Included Accessories	T10 security Torx screwdriver, mounting hardware kit	**Warranty**	10 years

1. Note: each of the two reader ports can power a maximum of one reader with current consumption of at most 250mA.

AC42 4-Door Controller

Software-first Access Control for Security Without Complexity

Overview

The Verkada AC42 is a cloud-managed door controller that replaces complex on-prem access control systems with a single cloud-based door controller. Built from the ground up, every component of the AC42 is designed for enhanced security, faster installation and easier day-to-day management.

To enhance access security, the AC42 leverages cloud technology and native Verkada integration. By unifying disparate on-prem systems in the cloud, the AC42 eliminates security vulnerabilities, update delays, configuration issues and costly on-prem infrastructure and maintenance costs. Additionally, by integrating access control with video security, guest management and more, the AC42 brings verification and unification to physical security systems.

Key features

Simplicity

- Replaces complex on-premise servers and databases with a simplified cloud-based system
- Intuitive wiring layout, integrated power supply unit and a cable organizer offers a seamless install experience
- Configures instantly and updates automatically. No patching, manual updates or IT overhead required

Enhanced security

- On device storage, compute and auxiliary battery support ensures uninterrupted door functionality, regardless of internet or power connectivity
- Native video integration verifies every door events with a tagged video clip
- Real-time AI and ML applications proactively monitor doors to identify anomalies and trends
- Up to 365 days of storage on-device

Scalability

- Cloud-based platform unifies thousands of doors behind a single pane of glass
- Works with standard door hardware, Verkada door readers, and third-party door readers
- Secures all door types from high-traffic wired doors to medium- and low-traffic wireless-lock secured doors

AC42
Tech Specs

Power and network

Power Consumption	60W maximum	**Inputs**	2x REX dry inputs per door 1x DPI dry input per door 2x auxiliary dry inputs
AC Power Input	100-240VAC 50/60Hz 1.5A maximum	**Readers**	1x reader port (Verkada/RS-485 or Wiegand) per door Reader current consumption must be < 250mA per reader Note: max of 4 readers can be powered simultaneously
AUX Power	1x 12V @ 250mA	**Connectivity**	Ethernet: 10/100Mbps RJ-45 for network connection USB 2.0

Mechanical

Dry Relays (External Power Supply)	Dry relay max pass-through power: 24VDC @ 2A (resistive load) 2x auxiliary dry relays	**Contact Sensors**	4 Contact Sensors Nominal 5VDC 1Kohm to each input (resistors built-in)
Wet Relays (Powered by AC42)	Wet relay switch-selectable power: 12V operation 700mA max 24V operation 350mA max	**Operating Temperature**	0°C - 50°C / 32°F - 122°F, 5–90% humidity

Compliance and availability

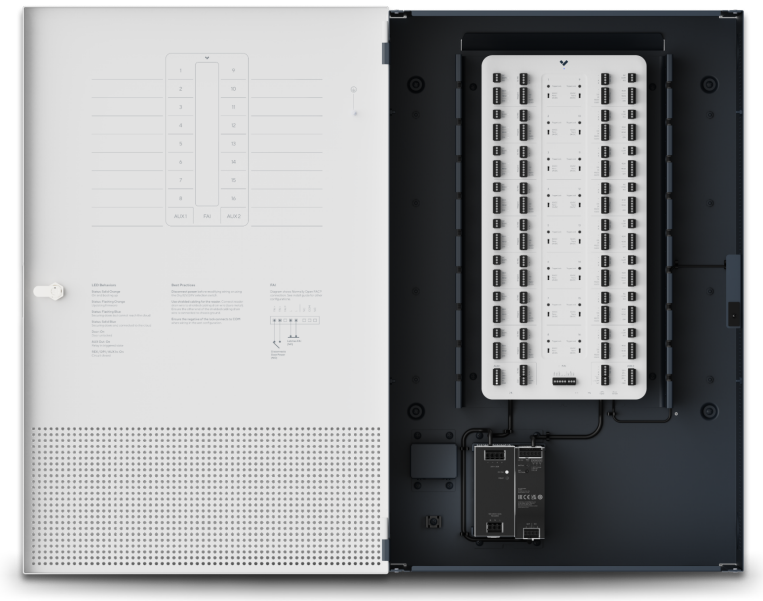
Availability	USA, Canada, India, UK, EU, Rest of World	**Compliance & Safety**	FCC Part 15 Class A, ICES-3 Class A, CE, UKCA, RCM, VCCI, UL 294, CAN/ULC 60839-11-1, UL 62368-1, CSA C22.2 No. 62368-1, IEC 62368-1, NDAA

General

Dimensions	Height: 417mm / 16.4in Width: 321mm / 12.6in Depth: 116.25mm / 4.6in	**Mounting Options**	Mounting plate and 4 wood screws
Weight	6.35kg / 13.9lbs	**Included Accessories**	Lock key and flat head screwdriver
		Warranty	10 years

AC62 16-Door Controller

Enterprise-Scale Access Control with Cloud-Based Simplicity



Overview

Verkada's AC62 16-door controller is a cloud-managed, enterprise-scale door controller designed for large access control deployments. The AC62 brings the simplicity and scale of Verkada access control to enterprise-scale buildings and organizations with added functionality, a streamlined hardware footprint and support for up to 16 doors, 2 AUX devices and a Fire Alarm Interface.

Like other Verkada access controllers, the AC62 configures instantly and updates automatically – eliminating the need for manual updates and security patches at enterprise scale. The AC62 connects to Verkada Command via an Ethernet connection. Similarly, thanks to on-device storage, compute and auxiliary battery support, the AC62 can secure doors and make access decisions regardless of power or Internet status.

Key features

Enterprise-scale

- Features 16 door ports, each with two REX inputs, a DPI input and a reader port
- Support for one 12V, 1A or one 24V, 0.5A wet relay per door or one 24VDC, 2A dry relay per door
- Includes two AUX ports that can each power dry inputs, readers and other AUX devices

Easy-to-deploy and manage

- 40% smaller hardware footprint compared to four-door controllers, allowing for more space-conscious deployments
- Detachable terminal blocks and an elegant mounting bracket for effortless installation
- A stenciled diagram on the enclosure door for quick notes and wiring annotations

Fire alarm integration

- Enables easy ability to remove power from maglocks when a fire alarm occurs, allowing for faster egress and firefighter access
- Fire Alarm Interface (FAI) to power down door locks when a signal from a Fire Alarm Control Panel (FACP) is received
- Familiar key-relay reset functionality for fire departments to leverage once buildings are re-secured

AC62
Tech Specs

Power and network

Power Consumption	350W Maximum	**Inputs**	2x REX dry inputs per door 1x DPI dry input per door 2x auxiliary dry inputs
AC Power Input	110-240VAC 50-60Hz	**Connectivity**	Ethernet: 100/1000Mbps RJ-45 for network connection USB 2.0

Reader and relay ports

Door Reader Ports	1x Verkada/RS-485 / door (16 total) 1x Wiegand Port / door (16 total)	**Door Reader Power Consumption**	Reader current consumption must be < 250mA per reader Note: a max of 16 readers can be powered simultaneously
AUX Reader Ports	2x auxiliary reader ports (Verkada/RS-485) total	**AUX Port Consumption**	2x 12V @ 1A output 2x 24V @ 0.5A output Reader current consumption must be < 250mA per reader
Relay Outputs	1x wet or dry relay per door Wet relay switch-selectable power: 12V operation 1A max, 24V operation 0.5A max	**Relay Outputs**	Dry relay max pass-through power: 24VDC @ 2A (resistive load) 2x auxiliary dry relays

Compliance and availability

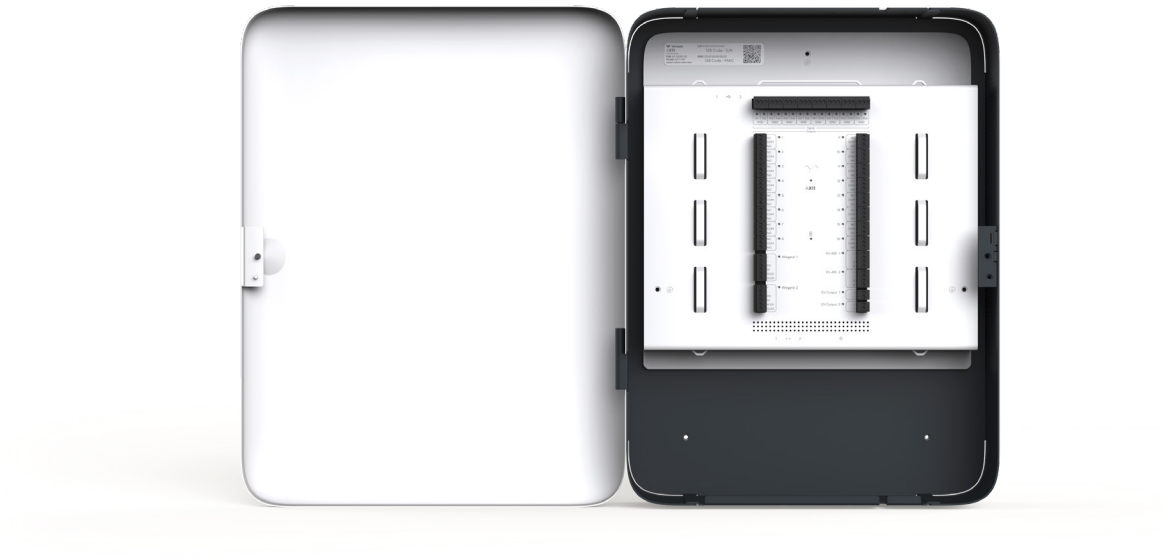
Availability	USA, Canada, India, UK, EU, Rest of World	**Compliance & Safety**	FCC Part 15 Class B, ICES-3 Class B, CE, UKCA, RCM, VCCI, UL 294, CAN/ULC 60839-11-1, UL 62368-1, CSA C22.2 No. 62368-1, IEC 62368-1, NDAA

General

Dimensions	Length: 773mm / 30in Width: 499mm / 20in Height: 186mm / 7in	**Mounting Options**	Mounting plate and 6 screws (#12x1”)
Weight	20kg / 44lb	**Operating Temperature**	0°C - 50°C / 32°F - 122°F, 5 - 90% Humidity
Included Accessories	Lock key and flat head screwdriver	**Warranty**	10 years

AX11 IO Controller

Adding More Devices Into the Verkada Platform



Overview

The AX11 is a IO Controller that contains 16 dry inputs, 16 dry output relays, two external AUX power outputs and two Weigand and two RS-485 reader ports. Unlike door controllers that support additional hardware such as request-to-exit devices or door position indicators, the AX11's streamlined IO-only design allows organizations to connect a large network of devices into a single, small form factor controller.

With the AX11, organizations can bring seamless extensibility to Verkada access control deployments by access controlling elevators, sensors, switches, peripherals and 3rd party access controlled hardware.

Key features

Elevator access control

- Connect up to two readers to access control up to two elevators with up to 16 floors between them
- Allow users to scan badges and get floor access with readers deployed in the elevator cab
- Leverage Verkada camera integration to get associated video clips for every access decision

DPIs and Event Bridge

- Take advantage of the Verkada Platform without replacing existing access control hardware
- Cross reference AX11 events with Verkada camera footage and ingest them as inputs to alarm and professional monitoring systems
- Connect existing DPIs to the AX11 to create events and get video analytics in Command for door events generated from existing access control and alarm systems
- Connect up to 16 door position indicators (DPIs) to the AX11s 16 inputs to trigger events in Command if a door is held open

Simplified hardware

- Removable connectors and cable management loops simplify wiring
- Status LEDs for inputs, outputs and readers accelerate debugging
- Supports both Verkada (over RS485) and 3rd party card readers (over Wiegand)
- Detachable wall mounting plate streamlines installation

AX11
Tech Specs

Power and network

Power Consumption	60W Maximum	**Inputs**	16 Dry Inputs Nominal 5VDC
Power Supply	110-240VAC 50-60Hz	**Connectivity**	Ethernet: 100/1000Mbps RJ-45 cable connector for network connection USB 2.0

Inputs and relay outputs

Inputs	16 Dry Inputs Nominal 5VDC	**Relay Outputs**	16 Dry Relays 1A/24VDC Contacts
AUX Power	16 inputs and 16 outputs 2 External Outputs 1A/12V Power Each 2A Combined Max		

Compliance and availability

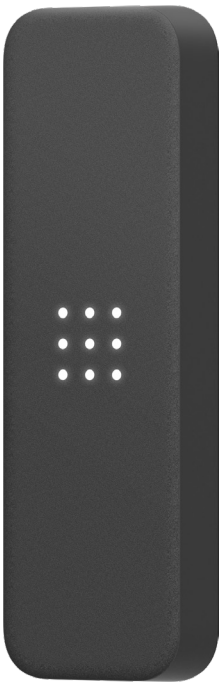
Availability	USA, Canada, India, UK, EU, Rest of World	**Compliance & Safety**	FCC, CE, UL 294, UL 62368-1/CSA C22.2, CAN/ULC-60839-11-1:2016, NDAA

General

Dimensions (With Mount)	Length: 415.6mm / 16.3in Width: 319.6mm / 12.6in Height: 111.7mm / 4.4in	**Dimensions (Without Mount)**	Length: 415.6mm / 16.3in Width: 319.6mm / 12.6in Height: 105.7mm / 4.2in
Weight	8.3kg / 18.3lb	**Operating Temperature**	0°C - 50°C / 32°F - 122°F, 5 - 90% Humidity
Included Accessories	Setup guide, screw pack	**Mounting Options**	Drywall anchors (M8) and screws (M5)
		Warranty	10 years

AD34 Door Reader

Magically Simple, Effortlessly Secure



Overview

The AD34 Door Reader supports a wide array of card types, including both low-frequency proximity cards and high-frequency credentials. This includes ultra-secure, encrypted NFC credentials like Verkada DESFire EV3 cards and employee badges in Apple Wallet.

With the AD34, organizations can also provide a secure yet convenient Bluetooth unlock experience with Intent Unlock. Intent Unlock helps prevent unintentional unlocks by requiring both proximity-based Bluetooth authentication and precise unlock intent in front of the reader — such as a hand wave — in order to unlock the door.

The AD34 includes a 10-year warranty and is IP65 and IK08 rated, making it suitable for outdoor deployments and harsh environments. It also features an easy-to-install, secured snap-in form factor, and ships with both single gang and mullion mount plates, simplifying nearly any installation.

Key features

LF, HF, NFC support

Compatible with both low-frequency proximity cards and high-frequency NFC credentials such as Verkada DESFire EV3 badges and Apple Wallet.

Secure Bluetooth Intent Unlock

The AD34 can be configured to require both proximity-based Bluetooth authentication and precise unlock intent in front of the reader, such as a hand wave.

OSDP encryption

The AD34 uses Secure Channel OSDP v2 to communicate with the access controller over RS-485.

Ready for any installation

The AD34 includes both single gang and mullion form factors in the box. The reader is IP65 and IK08 rated, making it suitable for outdoor environments.

Easy troubleshooting

See reader connection quality in Verkada Command to monitor performance and flag connectivity issues.

Intuitive LED feedback

LEDs display access granted and denied feedback, lockdown states, and connectivity status.

AD34
Tech Specs

Power and network

Power Consumption	12V, 250mA max	**Rating**	IP65, IK08

Compatibility

Controller Compatibility	Requires a RS-485 connection to a Verkada access controller or intercom	**Low Frequency Card Compatibility**	125 KHz Proximity Cards
High Frequency Card Compatibility	Verkada DESFire EV3, MIFARE DESFire Card Serial Number	**Mobile Credential Compatibility**	Verkada Pass app, mobile NFC, Apple Wallet

Compliance and availability

Availability	USA, CAN, UK, EU, AUS, NZ	**Compliance & Safety**	FCC, CE, UL 294, UL 62368-1/CSA C22.2, CAN/ULC-60839-11-1:2016

General

Mullion Dimensions	Height: 131.2mm / 5.2in Width: 40.7mm / 1.6in Depth: 17.6mm / 0.7in	**Single Gang Dimensions**	Height: 145.1mm / 5.7in Width: 80.1mm / 3.1in Depth: 20.1mm / 0.8in
Weight	Mullion mount 0.08kg / 0.18lb Single gang mount 0.10kg / 0.23lb	**Operating Temperature**	-40° to 65°C / -40° to 149°F 5-90% RH non-condensing
Included Accessories	Single gang mounting plate, mullion mounting plate, T10 screwdriver, 2 wall mount screws, 2 M3 machine screws	**Mounting Options**	Single gang and mullion (mounting plates and screws included)

Wiring

Wire Color	Abbreviation	Name
Red	+12V	+12V IN
Black	GND	Ground
White	A	RS485-A
Green	B	RS485-B
Silver	Drain	Drain Wire

AD64

Door Reader with Keypad

Overview

The AD64 Door Reader supports a wide array of credential types, including low-frequency proximity cards and encrypted NFC credentials, like Verkada DESFire EV3 cards or fobs and mobile NFC credentials on Apple or Android devices. It also has a keypad that supports PIN codes to be used as a standalone credential method or as two-factor authentication for added security.

The AD64 allows organizations to provide a secure and convenient Bluetooth unlock experience with Intent Unlock. Intent Unlock helps prevent unintentional unlocks by requiring both proximity-based Bluetooth authentication and precise unlock intent in front of the reader — such as a hand wave — in order to unlock the door.

The AD64 features an easy-to-install form factor, includes a 10-year warranty, and is IP65- and IK08-rated, making it suitable for outdoor deployments and harsh environments.

Key features

Low-frequency, high-frequency, NFC support

Compatible with both low-frequency proximity cards and high-frequency NFC credentials such as Verkada DESFire EV3 badges or fobs, Apple Wallet, and Android NFC.

Secure Bluetooth Intent Unlock

The AD64 can be configured to require both proximity-based Bluetooth authentication and precise unlock intent in front of the reader, such as a hand wave.

PIN to unlock or for 2FA

Give users access to a building with a 6- to 14-digit keycode, or require a code alongside another credential type for two-factor authentication.

OSDP with encryption

The AD64 uses Secure Channel OSDP v2 to communicate with the access controller over RS-485 for added security.

Easy troubleshooting

See reader connection quality in Verkada Command to monitor performance during installation and immediately flag connectivity issues.

Intuitive LED feedback

LEDs display access granted and denied feedback, lockdown states, waiting for 2FA, and connectivity status.

AD64
Tech Specs

Power and network

Power Consumption	12V, 250mA max	**Rating**	IP65, IK08
Controllers	Requires an RS-485 connection to a Verkada access controller or TD52 Intercom		

Credential compatibility

High Frequency Credentials	Verkada DESFire EV3 (card or fob), MIFARE DESFire card serial number	**Mobile Credentials**	Verkada Pass app (BLE), mobile NFC, Apple Wallet
Low Frequency Credentials	125 KHz proximity cards	**Keypad**	PIN only, two-factor authentication (badge + PIN)

General

Dimensions	Height: 5.2" (13.2 cm) Width: 3.2" (8.1 cm) Depth: 0.9" (2.3 cm)	**Operating Temperature**	-40 to 149° F (-40 to 65° C) 5-90% RH non-condensing
Weight	0.47 lb (0.2 kg)	**Warranty**	10 years
Certifications	FCC, CE, UL 294, UL 62368-1/CSA C22.2, CAN/ULC-60839-11-1:2016		

Installation

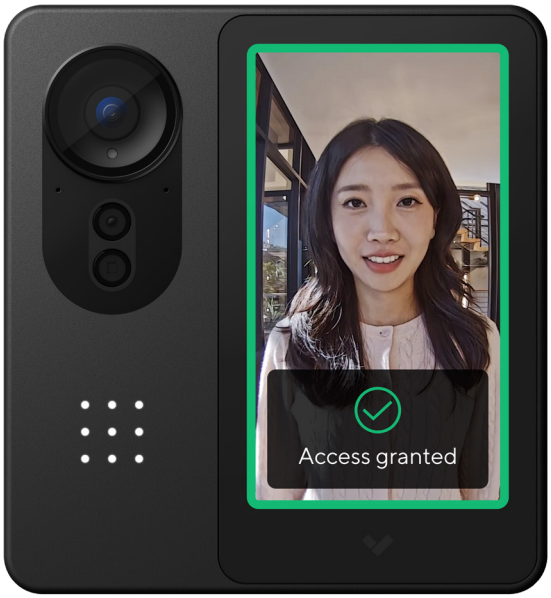
Included Accessories	Single gang mounting plate, T10 screwdriver, 2 wall mount screws, 2 M3 machine screws	**Mounting Options**	Single gang

Wiring

Wire Color	Abbreviation	Name
Red	+12V	+12V IN
Black	GND	Ground
White	A	RS485-A
Green	B	RS485-B
Silver	Drain	Drain Wire

AF64 Access Station Pro

An All-in-One Access Solution with Face Unlock



Overview

The AF64 Access Station Pro is a secure, all-in-one access control device that brings Face Unlock to enterprise environments. It combines edge-based facial recognition with AI-powered anti-spoofing, a single door controller, a multi-technology reader, an interactive touchscreen, and integrated video security in a single form factor. In addition to Face Unlock, it supports a full range of credentials — including keycards, mobile NFC, Bluetooth Intent Unlock, and PIN codes — with support for multi-factor authentication like face plus badge or PIN.

User enrollment is easy and flexible: admins can upload a photo via API or in Verkada Command, or let users self-enroll from their mobile device or laptop. Facial authentication and credential matching are processed locally on the device, while access events are recorded with video for added visibility in Command.

Designed for fast installation and flexible deployment, the AF64 connects over PoE+, supports multiple mounting options, and is rated IP65 and IK06 for durability across a range of conditions.

Key features

Sleek, all-in-one access station

Offer a clean, high-end aesthetic that blends seamlessly into modern entryways. Combine a reader, controller, security camera, and responsive touchscreen in one unit, and power by PoE+ with no on-prem servers required.

Multi-credential support and MFA

Support Face Unlock, keycards (HF/LF), mobile NFC, Bluetooth, and PIN. Use individually or with MFA (face + badge or face + PIN).

Integrated with the Verkada platform

The AF64 comes with a built-in 5MP wide-angle camera that provides rich video context and is equipped with all the powerful AI analytics of a Verkada security camera. It also integrates with Workplace, enabling Face Unlock for effortless guest access.

Smart, seamless Face Unlock

Enable fast, contactless entry with facial recognition and liveness detection. The AF64 features a cutting-edge 3D indirect time-of-flight (iToF) sensor for infrared and depth detection, deterring spoofing attempts with masks, photos, and more.

Flexible deployment

Use as a standalone controller, or as a reader to Verkada access controllers via OSDP or LAN. Leverage multiple mounting options to flexibly install the AF64 in different environments.

Privacy-by-design architecture

The AF64 processes all face data on the device, with robust data encryption on the device. Face data is stored in a non-reversible format and cannot be used to reconstruct a face. Administrators retain full control over enrollment and tools to manage or delete face data as needed.

AF64

Tech Specs

Power and rating

Power Input	IEEE 802.3at PoE+	**Connectivity**	Ethernet: 10/100/1000Mbps RJ-45 cable connector for Network/PoE connection
Ratings	IP65, IK06		

General

Dimensions	Height: 153 mm Width: 141 mm Depth: 34 mm	**Operating Temperature**	-20°C - 50°C 5-90% RH non-condensing
Weight	804g	**Tamper Detection**	Yes
Mounting Options	Wall, single-gang, or mullion	**Mounting Height**	1.5m / 60in Up angle mount recommended when installed at lower mounting height
Included Accessories	Surface mounting plate, T10 screwdriver, X screws	**Separate Accessories**	Up angle mount box, side angle mount box, mullion mount box
Inputs	1x REX input 1x DPI input	**Outputs**	1x dry relay, 24VDC @ 2A (resistive load) 1x RS-485 port 1x Wiegand port
Warranty	10 years		

AF64

Tech Specs

Credential compatibility

Controller Compatibility	Runs directly on AF64 or via RS-485 or LAN connection to a standalone Verkada access controller	**Mobile Credentials**	Verkada Pass app (BLE), Apple Wallet, mobile NFC
Low Frequency Card	125 kHz proximity cards	**PIN**	PIN for single- or multi-factor authentication
High Frequency Card	Verkada DESFire EV3 (card or fob), MiFare DESFire card serial number	**Face Unlock**	Authentication Range: 0.3-1.5m Liveness Detection: 3D+IR

Display specifications

Display	5.5" IPS color LCD capacitive touchscreen	**Display Resolution**	1280x720 pixels

Camera specifications

Sensor Resolution	5MP (2592 x 1944)	**Iris**	Fixed
Lens Type	Fixed	**Aperture**	F2.1
Image Sensor	1/2.8" Progressive CMOS	**Field of View**	Horizontal: 130° Vertical: 100° Diagonal: 160°
IR Range	15m / 50ft in low light	**Focal Length**	2.12mm

Video security camera capabilities

Alerts	Device status, motion detection, people detection, vehicle detection, Person of Interest search, crowd detection	**Maximum SQ Onboard Retention**	30 days
People Analytics	People search, attribute search, face search, occupancy trends	**Streaming & Storage**	Cloud backup, selectable storage location, timelapse, RTSP
Vehicle Analytics	Vehicle search, attribute search	**Sharing & Privacy**	Live Links, audit log
		Incident Reporting	Archive clips, save to incident report

Verkada Wireless Locks

Bring Access Control to Every Door

Overview

The Verkada Wireless Lock series empowers organizations to upgrade traditional lock-and-key systems with a smart, connected solution. With access control across every door, organizations can centrally manage all doors and immediately trigger changes — like initiating lockdowns — with a single click via web or mobile.

All locks can be easily set up right within Verkada Command, requiring no additional software. Admins can receive proactive alerts about low battery status, lock or hub disconnection, and change in door state. Coupled with over-the-air firmware updates, these features help ensure locks are fully functional at all times.

End users can enjoy a seamless unlock experience, using a variety of credentials — including hands-free Bluetooth Intent Unlock — to access doors, with clear LED feedback to confirm the door's status.

Organizations can choose from two lock types, cylindrical and mortise, which each come in three variations to suit a range of key cores.

Key features

Automated latch bolt monitoring

Ensure doors are closed, locked, and latched with a built-in latch bolt monitor and door position indicator. Receive proactive alerts for when doors are held open.

Long-range wireless connection

Using Verkada's VLink protocol, immediately connect up to 16 locks with the WH32 wireless hub. The hub is wired to a Verkada access controller and can support any lock within a 150 feet radius or up to 2000 feet with a clear line of sight.

Local schedule override button

Trigger immediate changes to a door's schedule — like unlocked to access controlled, and access controlled to locked — with a simple button press directly on the lock.

Built to last

With a ten-year warranty, UL's three-hour fire rating (pending) and ANSI Grade 1 certification (pending), the AL54 is a robust solution for a variety of doors and environments.

LF-, HF-, Bluetooth, and NFC support

Unlock doors with a wide array of credentials, from low-frequency proximity cards and high-frequency NFC credentials such as Apple Wallet. A built-in reflective sensor also supports Bluetooth Intent Unlock.

Intuitive interior and exterior LED feedback

Gain instant visual confirmation of a door's status — access granted, access denied, lockdown states, and connectivity status — on either side of the door based on the color and blinking pattern of the LED indicator.

AL54-MS
Tech Specs

Variations

AL54-MS-CC-01-26-HW 	Mortise Lock, Conventional Core	**AL54-MS-FC-01-26-HW** 	Mortise Lock, Full Size Interchangeable Core
AL54-MS-SC-01-26-HW 	Mortise Lock, Small Format Interchangeable Core		

General

Dimensions (with handle)	Exterior Assembly: 286.3 x 171.7 x 87.1 mm Interior Assembly: 323.8 x 172.4 x 88.0 mm	**Dimensions (without handle)**	Exterior Assembly: 286.3 x 82.3 x 35.2 mm Interior Assembly: 323.8 x 83.6 x 52.8 mm
Weight	6.8 kg	**Operating Temperature**	-35° to 55°C (–31° to 131°F)
Operating Humidity	5-90%	**Ratings**	IP65, IK08

Mechanical Compatibility

Door Thickness	1-5/8 to 2 inch	**Backset**	2-3/4 inch
Handing	Field Reversible	**Door Position Indicator**	Included in box, needs installation
Lever	Zinc Die Cast, Plated	**Finish**	Satin Chrome Plated
Strike Plate	Included in the box: -9110 with lip 1-15/16" x 4-7/8" -9112 1-1/4" x 4-7/8"	**Latch Bolt Monitor**	–
Mechanical Key Override Monitor	Built in	**Deadbolt monitor**	Built in
Compatible Cylinders and Keys	Schlage Conventional Core: 6 Pin Schlage FSIC: 6 Pin, 7 Pin SFIC: 6 Pin, 7 Pin Any key designed for one of the cores listed above is compatible		

AL54-MS
Tech Specs

Power

Power Supply	8xAA L91 lithium batteries (nominal voltage ≥ 1.5V)	**Battery Life**	12-18 months[1]
Backup Power	Provided via a USB-C cable connected to a 5V power bank	**Voltage Range**	5V to 7.2V
Maximum Current Requirement	1.8A (peak), 5.5 mA (average)		

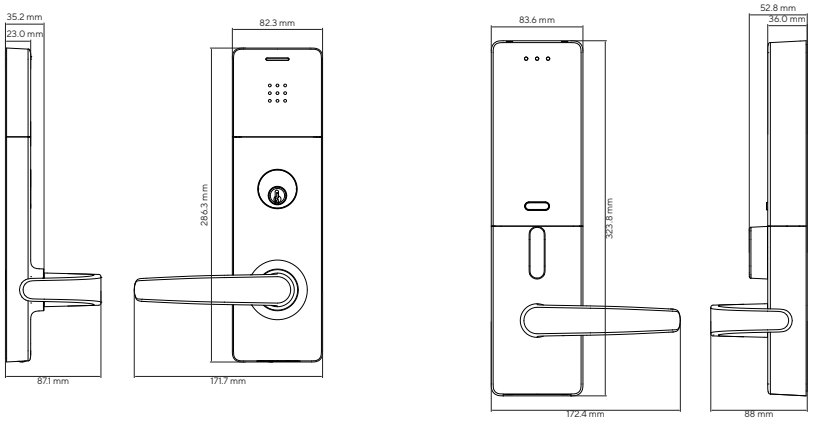
Connectivity & Communication

System Interface	Wireless communication via VLink protocol to Verkada wireless hub & access controller	**Wireless Frequency Range**	915.0 - 915.7 MHz
Wireless Communication Range	Up to 150 ft with obstructions Up to 2000 ft with clear line of sight	**Audio-visual Communication**	LED Feedback (Interior and Exterior), Buzzer Feedback

Credentials

Credential Technologies	Low Frequency (125 KHz) High Frequency (13.56 MHz) Mobile NFC (13.56MHz) Bluetooth Low Energy (2.4GHz)	**Read Range**	Low Frequency (125 KHz): up to 8cm High Frequency (13.56 MHz): up to 4cm Mobile NFC (13.56MHz): up to 4cm Bluetooth Low Energy (2.4GHz): up to 8cm
Credential Validation Time	<1 second		

Dimensions



Compliance & Availability

Compliance	FCC, IC, UL10C (pending), UL294 (pending), ULC60389-11-1 (pending), ANSI/BHMA A156.13 Grade 1 (pending), ANSI/BHMA A156.25 (pending)	**Availability**	USA, CAN

1. Battery life depends on usage and has been calculated using the following assumptions: polling time of 10 seconds, 90 access events per day, and door open events on ingress and egress.

AL54-CY
Tech Specs

Variations

AL54-CY-CC-01-26-HW

Cylindrical Lock, Conventional Core

AL54-CY-FC-01-26-HW

Cylindrical Lock, Full Size Interchangeable Core

AL54-CY-SC-01-26-HW

Cylindrical Lock, Small Factor Interchangeable Core

General

Dimensions (with handle)	Exterior Assembly: 177.3 x 170.8 x 91.9 mm Interior Assembly: 265.9 x 171.4 x 92.4 mm	**Dimensions (without handle)**	Exterior Assembly: 177.3 x 82.3 x 35.0 mm Interior Assembly: 266.0 x 83.6 x 35.5 mm
Weight	3.16 kg	**Operating Temperature**	-35° to 55°C (–31° to 131°F)
Operating Humidity	5-90%	**Ratings**	IP65, IK08

Mechanical Compatibility

Door Thickness	1-3/8 to 2 inch	**Backset**	2-3/8, 2-3/4 inch
Handing	Field Reversible	**Door Position Indicator**	Included in box, needs installation
Lever	Zinc Die Cast, Plated	**Finish**	Satin Chrome Plated
Strike Plate	Included in the box: -9106 with lip 1-1/8" x 2-3/4" -9109 ANSI with lip 1-1/4" × 4 7/8"	**Latch Bolt Monitor**	Built-in
Compatible Cylinders and Keys	Schlage Conventional Core: 6 Pin Schlage FSIC: 6 Pin SFIC: 6 Pin, 7 Pin Any key designed for one of the cores listed above is compatible		

AL54-CY
Tech Specs

Power

Power Supply	8XAA L91 lithium batteries (nominal voltage ≥ 1.5V)	**Battery Life**	12-18 months[1]
Backup Power	Provided via a USB-C cable connected to a 5V power bank	**Voltage Range**	5V to 7.2V
Maximum Current Requirement	1.8A (peak), 5.5 mA (average)		

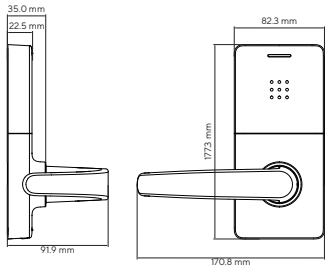
Connectivity & Communication

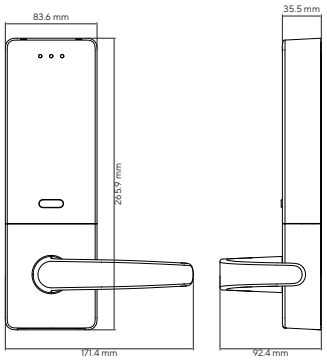
System Interface	Wireless communication via VLink protocol to Verkada wireless hub & access controller	**Wireless Frequency Range**	915.0 - 915.7 MHz
Wireless Communication Range	Up to 150 ft with obstructions Up to 2000 ft with clear line of sight	**Audio-visual Communication**	LED Feedback (Interior and Exterior), Buzzer Feedback

Credentials

Credential Technologies	Low Frequency (125 KHz) High Frequency (13.56 MHz) Mobile NFC (13.56MHz) Bluetooth Low Energy (2.4GHz)	**Read Range**	Low Frequency (125 KHz): up to 8cm High Frequency (13.56 MHz): up to 4cm Mobile NFC (13.56MHz): up to 4cm Bluetooth Low Energy (2.4GHz): up to 8cm
Credential Validation Time	<1 second		

Dimensions





Compliance & Availability

Compliance	FCC, IC, UL10C(pending), UL294 (pending), ULC60389-11-1 (pending), ANSI/BHMA A156.2 Grade 1 (pending), ANSI/BHMA A156.25 (pending)	**Availability**	USA, CAN

1. Battery life depends on usage and has been calculated using the following assumptions: polling time of 10 seconds, 90 access events per day, and door open events on ingress and egress.

Government-Grade Access Control

Overview

With Verkada government-grade access control, government agencies and contractors can deploy cloud-based access control in their environments while meeting key security standards. This offering includes the following TAA & FY2019 NDAA compliant hardware: the AC12-G one-door controller, the AC62-G 16-door controller, the AD34-G door reader, and the AD64-G door reader with a keypad. The controllers incorporate FIPS 140-2 validated encryption, and the readers currently support non-PKI FASC-N reads of PIV cards.

Government-grade access control devices are compatible with the standard Verkada Command platform, as well as Command hosted in AWS GovCloud, the latter of which is designated FedRAMP In Process (Moderate) and exclusively available to US government organizations.[1]

Verkada's cloud-based solution empowers government agencies and contractors to easily scale modern access deployments across their entire footprint, grants security teams granular control over system permissions and physical access, and is designed to last.

Key features

Meet strict security and compliance standards

- All devices are TAA & FY2019 NDAA compliant
- Controllers incorporate FIPS 140-2 encryption, as validated by NIST
- Readers support non-PKI FASC-N reads of PIV cards
- Designated FedRAMP In Process (Moderate)

Boost reliability of devices

- Automatic firmware updates, offline alerts, and 24/7 technical support maximize uptime
- Edge-processing and peer-to-peer communication maintain door operations during network outages
- Ten-year warranties protect devices

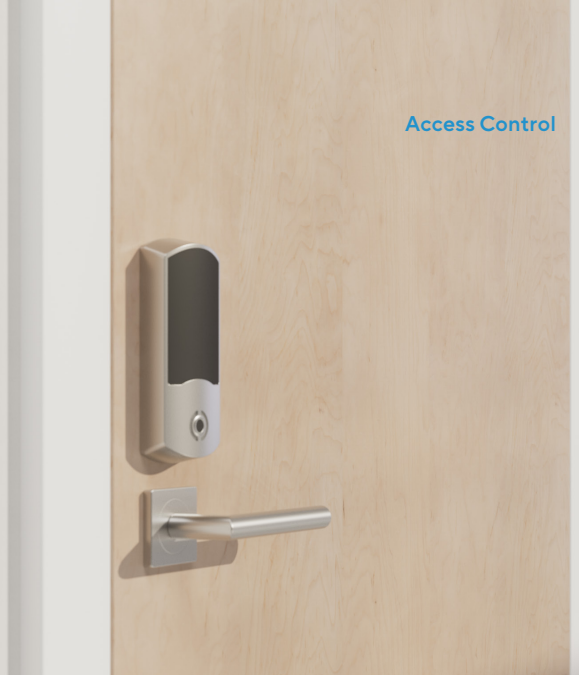
Easily scale deployments across sites

- Devices can be brought online without any on-prem servers or complex databases
- Cloud-based management enables monitoring and management from virtually anywhere, any device
- Native integrations, open APIs, and out-of-the-box integrations enable agencies to seamlessly connect with other Verkada and third-party systems

Exercise precise control over permissions and access

- Granular admin and system user roles enable agencies to grant the right level of power and system access to personnel
- Access groups and levels structure employee and contractor physical access based on roles and clearance levels
- Multi-factor authentication (e.g. PIN code + badge) on the AD64-G safeguards high-security zones

1. Federal, state, local, or tribal organizations, research institutions, federal contractors, government contractors, educational institutions, and non-profit institutions.



Wireless lock integrations

Extending the Verkada Platform To Low- and Medium-Traffic Doors With Wireless Lock Integrations

Overview

Customers love Verkada access control because it has been built from the ground up to provide visibility and security to their doors. To make it easy to secure low- and medium-traffic doors, Verkada integrates with leading wireless manufacturers Schlage, ASSA ABLOY, and Simons Voss. Through these wireless lock integrations, organizations can secure classrooms, offices, closets, gates and other spaces with fewer than ~200 locks and unlocks per day.

ASSA ABLOY's Aperio lineup of wireless locks uses local wireless communication between a lock and hub to connect directly to a Verkada door controller, eliminating the greatest cost and inconvenience of traditional access control – the wiring at the door. The ASSA ABLOY IP-enabled access control solutions take advantage of a facility's current or planned network infrastructure (whether it's wired or wireless) to provide advanced security and easier, more cost-effective installations.

Schlage AD and Engage wireless locks connect to Verkada command via a Schlage Gateway and/or PIM 400-485 connection with a Verkada door controller. Verkada's integration with the Schlage Control series offers a wireless lock integration that communicates with Verkada Command directly through the Engage wireless hub – no controller needed. The Control series is perfect for multifamily residential buildings with dozens or hundreds of residential doors.

For customers in the UK and Europe, Verkada's integration with SimonsVoss's SmartIntego series of wireless locks communicates via an encrypted wireless network to the SimonsVoss GatewayNode hub, which connects directly to a Verkada AC12 door controller over PoE, and can be managed through Verkada Command, allowing for changes to be recognized immediately by the hardware.

Key features

Offline mode for scaled deployments

- The Schlage Engage series wireless locks can be deployed offline with Verkada. Offline mode requires no Hub or Gateway – the lock communicates with Command once daily via Wifi
- This scalable solution is perfect for apartments, dorms, closets and more, where scale, cost effectiveness and ease-of-deployment are paramount

Online mode for real time control

- Schlage Engage and AD series locks, and Assa Abloy Aperio locks can also connect in online mode to Verkada. Online mode utilizes a real time connection via the hub connected to an Verkada controller AUX port
- Online mode allows admins to view every door event and the associated camera analytics for wireless doors
- Online mode also supports lockdown and remote unlock functionality for fully remote management of door systems
- This real-time solution is great for medium traffic doors such as classrooms and offices where real-time connectivity and wireless ease-of-use are valuable

Simple to configure

- Verkada's wireless lock integrations allows organizations to deploy the same user permissions that exist in Verkada to more doors
- Setting up wireless-controlled doors within Command takes minutes
- Administrators can remotely unlock doors, check access events and streamline incident resolution by tying wireless locks to Verkada devices

12V4Ah Backup Battery

Tech Specs

General

Name & Model Number	ACC-BAT-4AH	**Terminal Connector**	F1 (#187) terminal connector
Descriptor	12 Volt 4.5Ah Sealed Lead Acid Rechargeable Battery	**Size**	Length: 90mm / 3.5in Width: 70mm / 2.8in Height: 101mm / 3.9in
Voltage	12V	**Weight**	46.9 oz / 1.3kg
Capacity	4.5Ah	**Compliance & Safety**	UL 1989, CE
Chemistry	Sealed Lead Acid	**Backup Power Application**	AC41, AC42, AX11, BP41
Enclosure	ABS plastic	**Warranty**	10 years

24V18Ah Backup Battery

Tech Specs

General

Name & Model Number	ACC-BAT-18AH AC62 18AH Backup Battery	**Terminal Connector**	25cm battery leads
Descriptor	24 Volt 18Ah Sealed Lead Acid Rechargeable Battery	**Size**	Length: 170mm / 6.7in Width: 146mm / 5.7in Height: 185mm / 7.3in
Voltage	24V	**Weight**	352.7 oz / 10kg
Capacity	18Ah	**Compliance & Safety**	UL 1989, IEC 60896-21:2004, IEC 60896-22:2004, CE
Chemistry	Sealed Lead Acid	**Backup Power Application**	AC62
Enclosure	ABS plastic	**Warranty**	10 years

Ordering Information

Access Controllers

Model Number	Description	Cost (MSRP) USD
AC12-HW	AC12 One-Door Controller	$799
AC42-HW	AC42 Four-Door Controller	$1,799
AC62-HW	AC62 16-Door Controller	$5,299
AX11-HW	AX11 IO Controller	$1,599

Accessories

Model Number	Description	Cost (MSRP) USD
ACC-BAT-4AH	Verkada 4AH Backup Battery	$129
ACC-BAT-18AH	AC62 18AH Backup Battery	$699
ACC-POE-60WHS	ACC-POE-60W high surge (HS) PoE++ injector	$179
ACC-WA-30W	ACC-WA-30W/12V Switching Power Supply	$89

Access Control Cloud License (New/Capacity Increase)

Model Number	Description	Cost (MSRP) USD
LIC-AC-1Y-CAP	1-Year Door License, Capacity Increase	$249
LIC-AC-3Y-CAP	3-Year Door License, Capacity Increase	$599
LIC-AC-5Y-CAP	5-Year Door License, Capacity Increase	$999
LIC-AC-10Y-CAP	10-Year Door License, Capacity Increase	$1,999

Access Control Cloud License (Renewal)

Model Number	Description	Cost (MSRP) USD
LIC-AC-1Y-RNW	1-Year Door License, Renewal	$249
LIC-AC-3Y-RNW	3-Year Door License, Renewal	$599
LIC-AC-5Y-RNW	5-Year Door License, Renewal	$999
LIC-AC-10Y-RNW	10-Year Door License, Renewal	$1,999

Ordering Information

IO Controller Cloud License (New/Capacity Increase)

Model Number	Description	Cost (MSRP) USD
LIC-AX-1Y-CAP	1-Year IO Controller License, Capacity Increase	$999
LIC-AX-3Y-CAP	3-Year IO Controller License, Capacity Increase	$2,599
LIC-AX-5Y-CAP	5-Year IO Controller License, Capacity Increase	$3,999
LIC-AX-10Y-CAP	10-Year IO Controller License, Capacity Increase	$7,999

IO Controller Cloud License (Renewal)

Model Number	Description	Cost (MSRP) USD
LIC-AX-1Y-RNW	1-Year IO Controller License, Renewal	$999
LIC-AX-3Y-RNW	3-Year IO Controller License, Renewal	$2,599
LIC-AX-5Y-RNW	5-Year IO Controller License, Renewal	$3,999
LIC-AX-10Y-RNW	10-Year IO Controller License, Renewal	$7,999

Door Readers

Model Number	Description	Cost (MSRP) USD
AD34-HW	AD34 Door Reader	$349
ACC-AD-BP	AD34 Single Gang Anodized Aluminum Backplate	$99
AD64-HW	AD64 Door Reader	$599

Cards

Model Number	Description	Cost (MSRP) USD
ACC-PROX-1	Verkada Prox Cards	$599 / box of 100 cards
ACC-EV3-1	Verkada EV3 Encrypted Cards	$799/box of 100 cards
ACC-EV3-2	Verkada EV3 Encrypted Fobs	$599/box of 50 fobs

Ordering Information

Government-Grade Access Control Hardware

Model Number	Description	Cost (MSRP) USD
AC12-HW-G	AC12-G 1 Door Controller for Government	$849
AC62-HW-G	AC62-G 16 Door Controller for Government	$5,699
AD34-HW-G	AD34-G Multi-format Card Reader for Government	$399
AD64-HW-G	AD64-G Multi-format, Single Gang Card Reader with Keypad for Government	$649

AWS GovCloud License (New/Capacity Increase)

Model Number	Description	Cost (MSRP) USD
LIC-AC-1Y-CAP-G	1-Year Door License for Government, Capacity Increase	$269
LIC-AC-3Y-CAP-G	3-Year Door License for Government, Capacity Increase	$659
LIC-AC-5Y-CAP-G	5-Year Door License for Government, Capacity Increase	$1,099
LIC-AC-10Y-CAP-G	10-Year Door License for Government, Capacity Increase	$2,199

AWS GovCloud License (Renewal)

Model Number	Description	Cost (MSRP) USD
LIC-AC-1Y-RNW-G	1-Year Door License for Government, Renewal	$269
LIC-AC-3Y-RNW-G	3-Year Door License for Government, Renewal	$659
LIC-AC-5Y-RNW-G	5-Year Door License for Government, Renewal	$1,099
LIC-AC-10Y-RNW-G	10-Year Door License for Government, Renewal	$2,199

Ordering Information

Mobile NFC License (New/Capacity Increase)

Note: Apple Wallet is not compatible with AD31, AD32, or third party reader hardware. Verkada can only support Corporate Badges on Apple Wallet. Verkada cannot issue Resident Cards for Multi Family Units, Room Keys for Hospitality, or Student IDs for Higher Education.

Model Number	Description	Cost (MSRP) USD
LIC-MNFC-20-1Y-CAP	Add up to 20 users with a mobile NFC credential for 1 year, Capacity Increase	$199
LIC-MNFC-20-3Y-CAP	Add up to 20 users with a mobile NFC credential for 3 years, Capacity Increase	$599
LIC-MNFC-20-5Y-CAP	Add up to 20 users with a mobile NFC credential for 5 years, Capacity Increase	$999
LIC-MNFC-20-10Y-CAP	Add up to 20 users with a mobile NFC credential for 10 years, Capacity Increase	$1,999

Mobile NFC License (Renewal)

Model Number	Description	Cost (MSRP) USD
LIC-MNFC-20-1Y-RNW	Add up to 20 users with a mobile NFC credential for 1 year, Renewal	$199
LIC-MNFC-20-3Y-RNW	Add up to 20 users with a mobile NFC credential for 3 years, Renewal	$599
LIC-MNFC-20-5Y-RNW	Add up to 20 users with a mobile NFC credential for 5 years, Renewal	$999
LIC-MNFC-20-10Y-RNW	Add up to 20 users with a mobile NFC credential for 10 years, Renewal	$1,999

Ordering Information

Access Station Pro

Model Number	Description	Cost (MSRP) USD
AF64-HW	AF64 Access Station Pro	$1,599

Access Station Pro Software License (New/Capacity Increase)

Model Number	Description	Cost (MSRP) USD
LIC-AF-1Y-CAP	1-Year Access Station Pro License, Capacity Increase	$249
LIC-AF-3Y-CAP	3-Year Access Station Pro License, Capacity Increase	$749
LIC-AF-5Y-CAP	5-Year Access Station Pro License, Capacity Increase	$1,249
LIC-AF-10Y-CAP	10-Year Access Station Pro License, Capacity Increase	$2,499

Access Station Pro Software License (Renewal)

Model Number	Description	Cost (MSRP) USD
LIC-AF-1Y-RNW	1-Year Access Station Pro License, Renewal	$249
LIC-AF-3Y-RNW	3-Year Access Station Pro License, Renewal	$749
LIC-AF-5Y-RNW	5-Year Access Station Pro License, Renewal	$1,249
LIC-AF-10Y-RNW	10-Year Access Station Pro License, Renewal	$2,499

Ordering Information

Wireless Locks

Model Number	Description	Cost (MSRP) USD
AL54-CY-CC-01-26-HW	AL54 Cylindrical Lock, Conventional Core	$1,399
AL54-CY-FC-01-26-HW	AL54 Cylindrical Lock, Full Size Interchangeable Core	$1,399
AL54-CY-SC-01-26-HW	AL54 Cylindrical Lock, Small Format Interchangeable Core	$1,399
AL54-MS-CC-01-26-HW	AL54 Mortise Lock, Conventional Core	$1,799
AL54-MS-FC-01-26-HW	AL54 Mortise Lock, Full Size Interchangeable Core	$1,799
AL54-MS-SC-01-26-HW	AL54 Mortise Lock, Small Format Interchangeable Core	$1,799

Wireless Lock Accessories

Model Number	Description	Cost (MSRP) USD
ACC-RS485-2M	Verkada 2m RS485 Cable	$10
ACC-DR-CY-1	AL54 Cylindrical Door Reinforcer (2.375" Backset, 1.375" Door Thickness)	$99
ACC-DR-CY-2	AL54 Cylindrical Door Reinforcer (2.375" Backset, 1.75" Door Thickness)	$99
ACC-DR-CY-3	AL54 Cylindrical Door Reinforcer (2.75" Backset, 1.375" Door Thickness)	$99
ACC-DR-CY-4	AL54 Cylindrical Door Reinforcer (2.75" Backset, 1.75" Door Thickness)	$99
ACC-DR-MS-1	AL54 Mortise Door Reinforcer (2.75" Backset, 1.75" Door Thickness)	$99

Third-Party Wireless Locks

Model Number	Description	Cost (MSRP) USD
ASSA ABLOY Aperio Series	IN100, ES100, DR100, R100, DL100, KS100, K100, L100, H100, E100, AU100, AH30	Request for pricing
ASSA ABLOY IP Series	IN120, IN220	Request for pricing
Schlage AD Series	AD-400-CY, AD-400-933, AD-400-MS, PIM 400-485, ANT 400-REM-HALL	Request for pricing
Schlage Engage Series	NDEB, LEBMS-ADD, LEBMS-GRW, GWE	Request for pricing
Schlage Control Series	Control Interconnected, Control Deadbolt	Request for pricing
SimonsVoss SmartIntego Series	Digital Cylinder AX, Digital Locking Cylinder, Digital Smart Handle AX, Digital Smart Handle, Smart Intego Gateway Node	Request for pricing