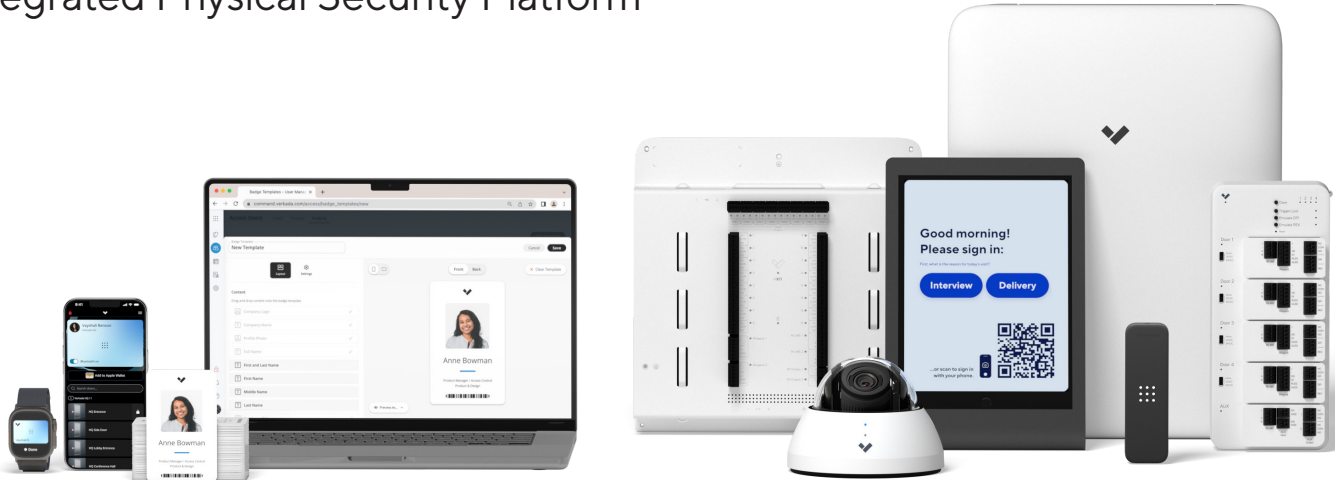


Simplified Enterprise-Grade Access Control With Verkada's Integrated Physical Security Platform



Overview

Verkada Access Control combines simplified, enterprise-grade access control hardware with an integrated, cloud-based management platform for a solution that's always simple, secure and ready for scale.

Starting with Verkada's lineup of access control devices, organizations can bring the plug-and-play simplicity of Verkada to managing door access and security across their organization. Verkada's lineup of door controllers work with Verkada's AD34 and AD64 door readers, Schlage and Assa Abloy wireless locks, and Weigand or OSDP-based readers, as well as third-party sensors, switches, and peripherals. Verkada's simplified hardware footprint minimizes on-premise infrastructure requirements – eliminating cost and complexity.

Once doors and devices are online, they're ready to be managed via Verkada Command. The Verkada Command platform allows you to easily maintain door access schedules, role based access control configurations, alarm and alert settings – from an intuitive single pane of glass. Taken together, Verkada hybrid cloud approach to security allows organizations to not only see what is happening at their points of entry, but also proactively enhance the safety and security of their building by more quickly identifying and taking action anytime instances occur.

Key features

Complete access control system

- Robust family of controllers with the AC12 one-door, AC42 four-door, AC62 16-door, and the AX11 16-port IO controller
- End-to-end access credentials system from automated user onboarding to badge printing and user provisioning / deprovisioning
- Support for any kind door or entryway from OSDP and Weigand wired card readers to wireless locks, and elevator support

Cloud-first model

- Hybrid-cloud access controllers replace on-premise infrastructure with simplified devices and a cloud-based platform – no more access servers, databases or local clients needed
- Ultimate scale across access points, sites and geographies
- Firmware and hardware updates made automatically with no manual overhead required

Native Verkada integration

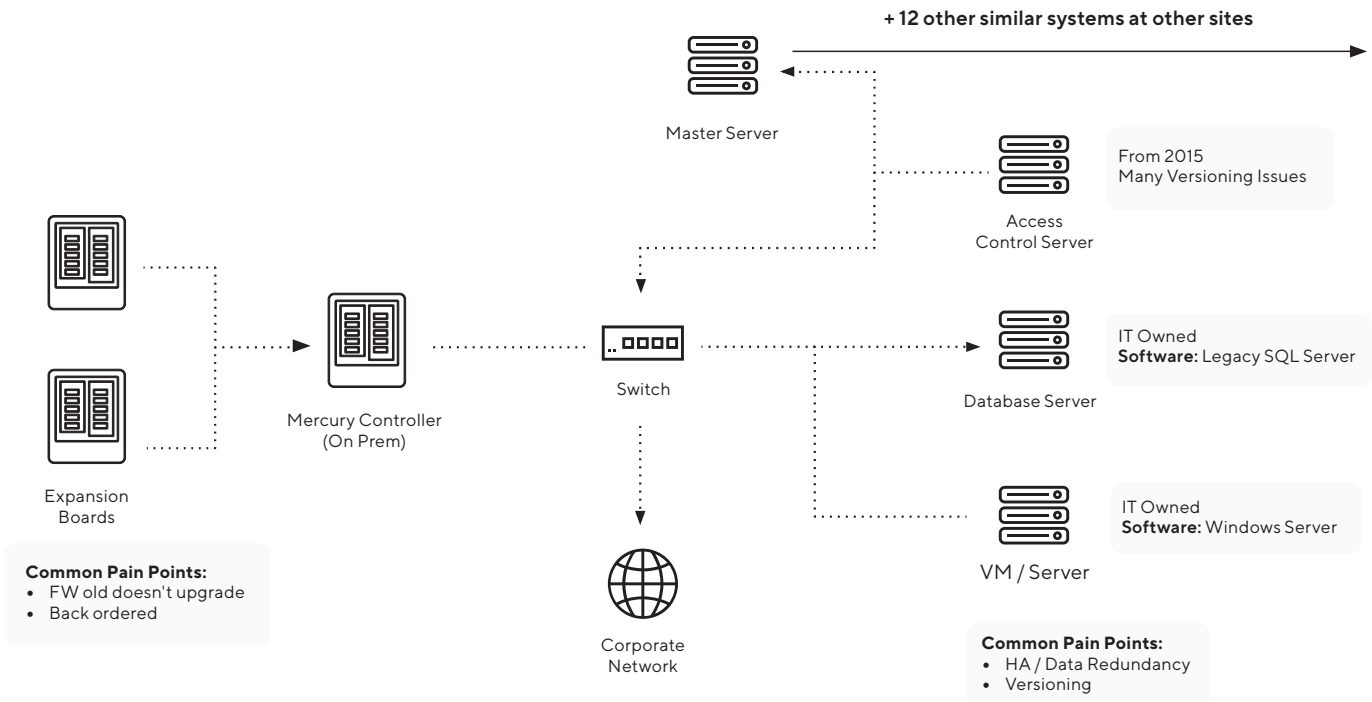
- Native integration with Verkada video security for simplified search and enhanced security
- Integration with Verkada Guest to seamlessly extend Verkada-configured building access to visitors and guests
- Alarm integration provides 24/7 video verification and monitoring for an additional layer of security

1. See more information on supported card readers here: <https://help.verkada.com/en/articles/4424194-badge-reader-support>



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 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

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

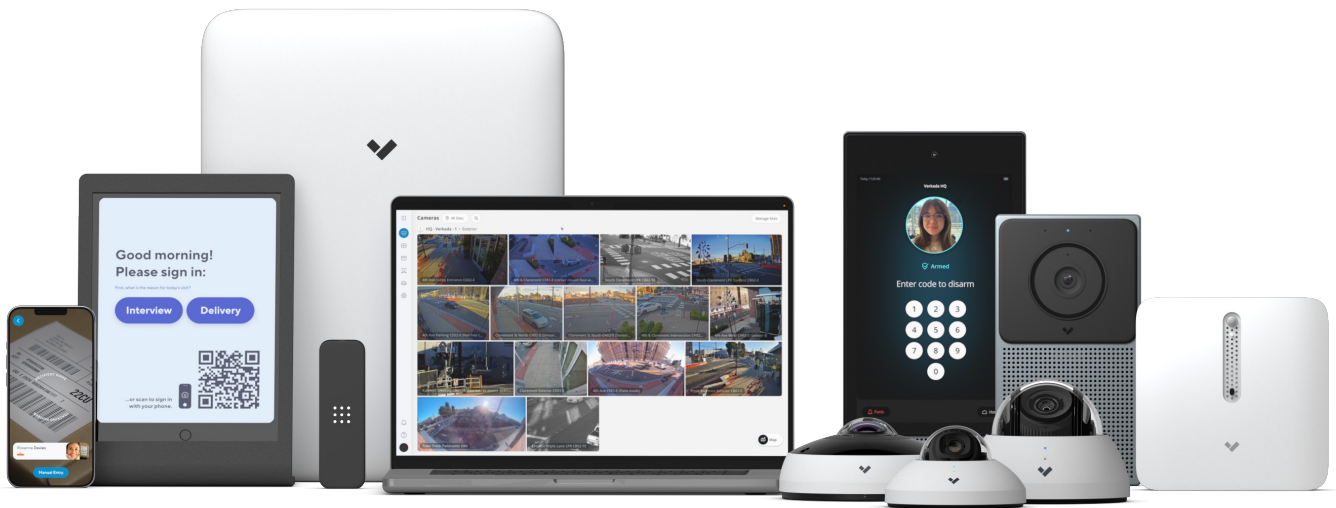
Speed and scale

- 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

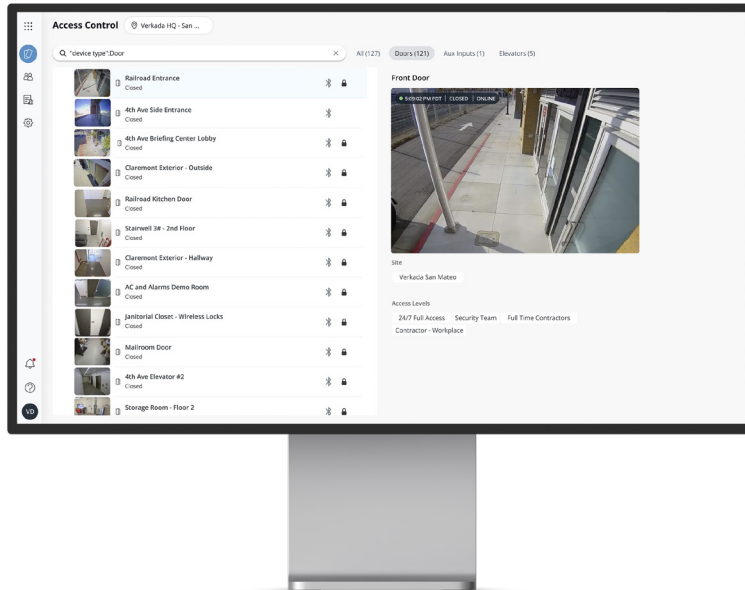
Real-time response

- 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

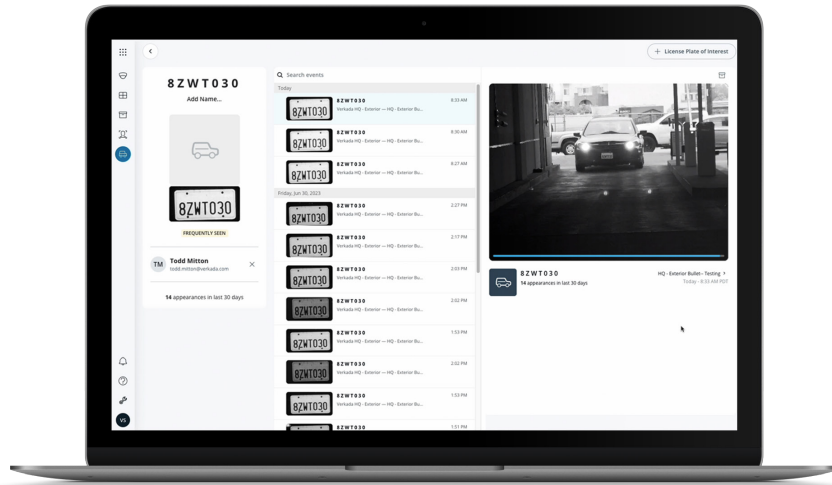
- Integrate Verkada with SSO systems for automated profile creation, provisioning and deprovisioning
- Assign any access method including cards, fobs, and mobile credentials
- Leverage access integrations to add multi-factor authentication through readers, locks, keypads or biometric access points

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 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

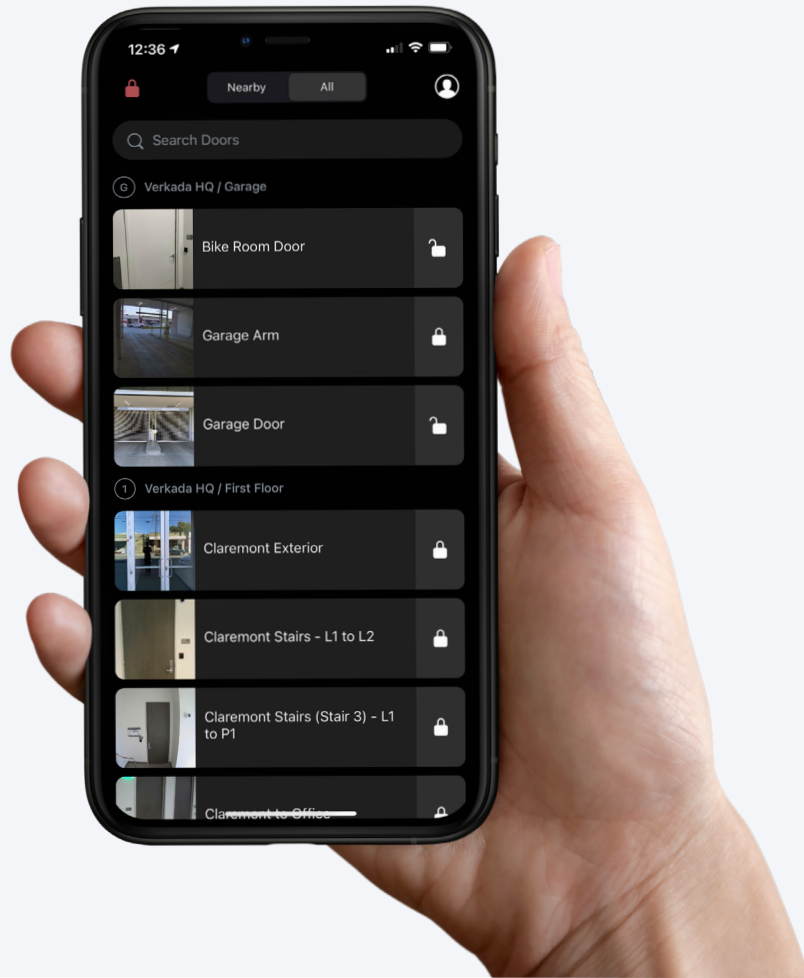
LPR unlock is a great method for providing hassle-free vehicle gate access to employees and guests who are arriving at a facility via car.

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

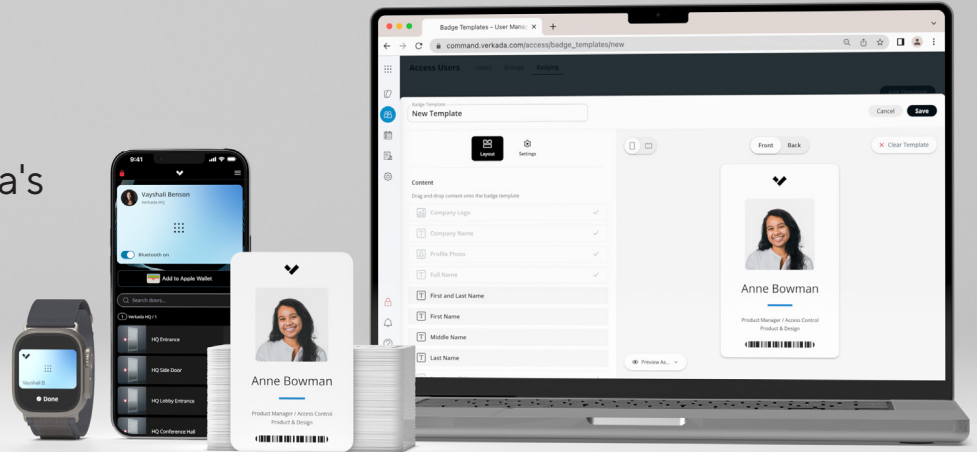
- Easily provision and manage mobile credentials in Verkada Command, manually or via an SSO provider
- No more printing, distributing, or replacing physical credentials helps save time and money

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 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

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
- 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 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



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: 1.9mm / 0.075in
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: 1.9mm / 0.075in
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.

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 Ports¹	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.
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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
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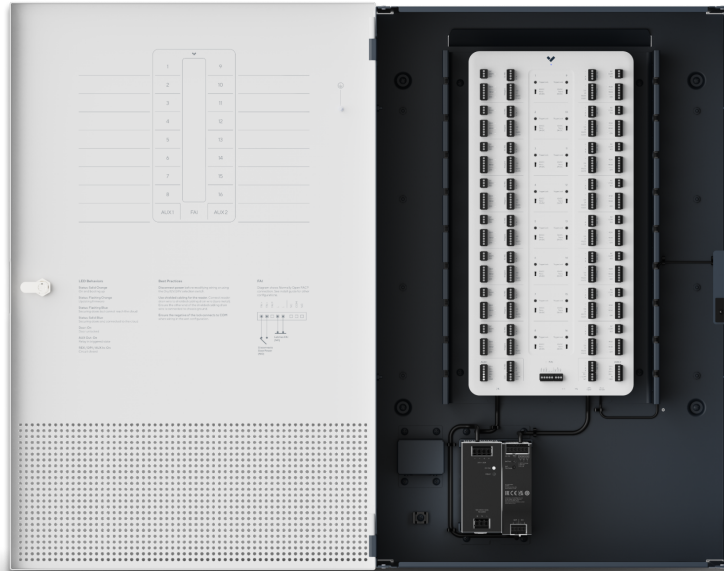
General

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
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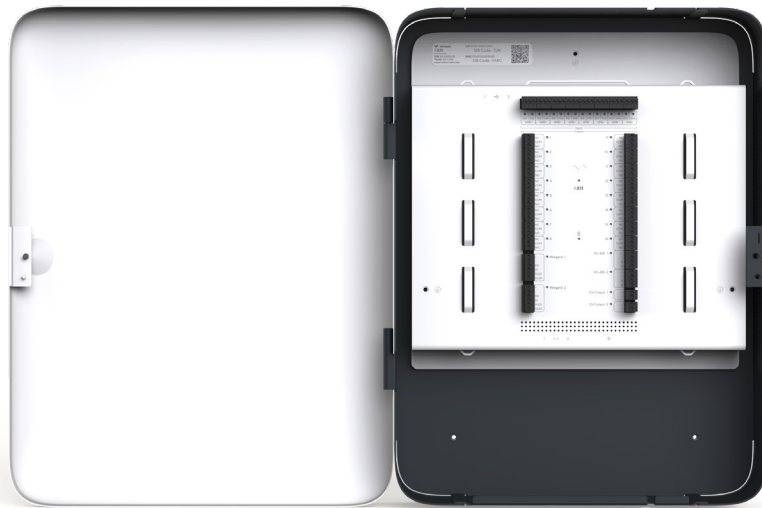
General

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 an 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
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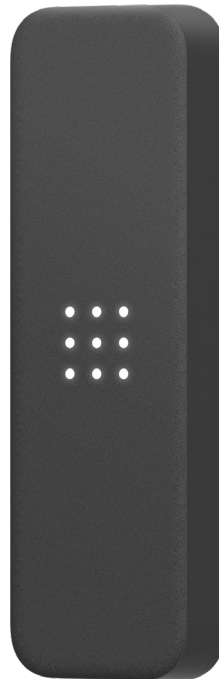
General

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
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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
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General

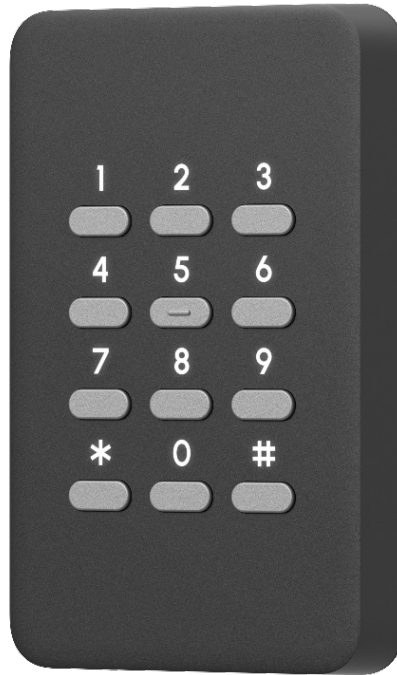
Mullion Dimensions	Height: 131.2mm / 5.2in Width: 40.7mm / 1.6in Depth: 17.6mm / 0.7in	Single Gang Dimensions	Height: 145.1mm / 5.7in Width: 80.1mm / 3.1in Depth: 20.1mm / 0.8in
Weight	Mullion mount 0.08kg / 0.18lb Single gang mount 0.10kg / 0.23lb	Operating Temperature	-40° to 65°C / -40° to 149°F 5-90% 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.

www.verkada.com

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
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Wiring

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



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 and Assa Abloy. Through these wireless lock integrations, organizations can secure classrooms, offices, closets, gates and other spaces with less than ~200 locks and unlocks per day.

Verkada's integration with the Schlage AD and Engage series of wireless locks allows organizations to add Engage NDEB, LE and LEB locks, as well as AD 300 and AD400 locks to Verkada command via a Schlage Gateway and/or PIM 400-485 connection with the AUX port of a Verkada AC41 or AC42 door controller.

Verkada's integration with the Assa Abloy Aperio lineup of wireless locks allows organizations to integrate mortise and cylindrical locks in the Sargent and Corbin Russwin series. Every lock in the Assa Abloy Aperio lineup connects wirelessly to the Aperio RS485 Hub, which connects directly to a Verkada door controller to provide native integration with Verkada Command.

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.

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

Controller pricing

Model Number	Description	Cost (MSRP) USD
AC62-HW	AC62 16-Door Controller	\$5,299
AC42-HW	AC42 Four-Door Controller	\$1,799
AC41-HW	AC41 Four-Door Controller	\$1,799
AX11-HW	AX11 IO Controller	\$1,599
AC12-HW	AC12 One-Door Controller	\$699

Accessories pricing

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
ACC-POE-60WHS	ACC-POE-60W PoE++ injector, high surge protection PoE++ injector	\$179

Software license pricing

LIC-AC-1Y	1-Year Cloud License (Per Door)	\$249
LIC-AC-3Y	3-Year Cloud License (Per Door)	\$599
LIC-AC-5Y	5-Year Cloud License (Per Door)	\$999
LIC-AC-10Y	10-Year Cloud License (Per Door)	\$1,999



Ordering Information

IO controller cloud license pricing

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

Locks pricing

Schlage Locks	NDEB, LE, LEB, AD300, AD400, PIM400-485	Request for pricing
Schlage PIM 400-485	Hub for Schlage AD Series wireless locks	Request for pricing
Engage GWE Gateway	Hub for Schlage Engage series wireless locks	Request for pricing
Assa Abloy AH30 Aperio Hub	Hub for Assa Abloy Aperio wireless locks	Request for pricing
Assa Abloy Locks	All Aperio locks and hubs	Request for pricing

Reader pricing

AD34-HW	AD34 Door Reader	\$349
ACC-AD-BP	AD34 Single Gang Anodized Aluminum Backplate	\$99
AD64-HW	AD64 Door Reader	\$599

Cards pricing

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

Mobile NFC License pricing

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	Add up to 20 users with a mobile NFC credential for 1 year	\$199
LIC-MNFC-20-3Y	Add up to 20 users with a mobile NFC credential for 3 years	\$599
LIC-MNFC-20-5Y	Add up to 20 users with a mobile NFC credential for 5 years	\$999
LIC-MNFC-20-10Y	Add up to 20 users with a mobile NFC credential for 10 years	\$1,999



Ordering Information

AD series wireless lock estimated pricing*

Model Number	Description	Cost (MSRP) USD
AD-400-CY	Cylindrical Lock	Request for pricing
AD-400-933*	Mortise Lock	Request for pricing
AD-400-MS	Exit Trim	Request for pricing
PIM400-485	PIM Hub	\$1,105
ANT 400-REM-HALL	Remote Antenna Module	Request for pricing

Engage series wireless lock pricing*

NDEB	Cylindrical Lock	Request for pricing
LEBMS-ADD	Mortise Lock	Request for pricing
LEBMS-GRW	Mortise Lock	Request for pricing
GWE	Engage Hub	\$374

Control series wireless locks pricing

Control Interconnected	Interconnected Lock	Request for pricing
Control Deadbolt	Deadbolt Lock	Request for pricing

*Final pricing will vary based on final lock information.



Ordering Information

ASSA ABLOY Engage series wireless locks pricing

Model Number	Description	Cost (MSRP) USD
IN100	Sargent IN100 Lock	Request for pricing
ES100	Electric Strike and Card Reader	Request for pricing
DR100	Aperio Wireless Card Reader	Request for pricing
R100	Aperio Wireless Card Reader	Request for pricing
DL100	Wireless Deadlatch	Request for pricing
KS100	Cabinet Locks	Request for pricing
K100	Cabinet Locks	Request for pricing
L100	Electronic Lock	Request for pricing
H100	Electronic Handle Lock	Request for pricing
E100	Escutcheon V3 Series	Request for pricing
AU100	Escutcheon Series	Request for pricing
AH30	Aperio Wireless Hub	\$415