AX11 IO controller

Cloud-Managed Access Control for Elevators and Auxiliary Devices

Overview

The AX11 IO Controller 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 securing elevators, sensors, switches, peripherals and 3rd party access controlled hardware.

Key features

Elevator access control

Connect up to two readers to secure up to two elevators with up to 16 floors between them.

DPIs and event bridge

Create Verkada camera context events on non-Verkada access control hardware devices with Event Bridge.

Standalone DPI events

Trigger events in Command if a door is held open by connecting up to 16 door position indicators (DPIs).

Two readers ports

Deploy readers to provide access configurations and badging functionality in the elevator cab.

Cloud-managed

Manage physical access control from any device in any location with Verkada Command.

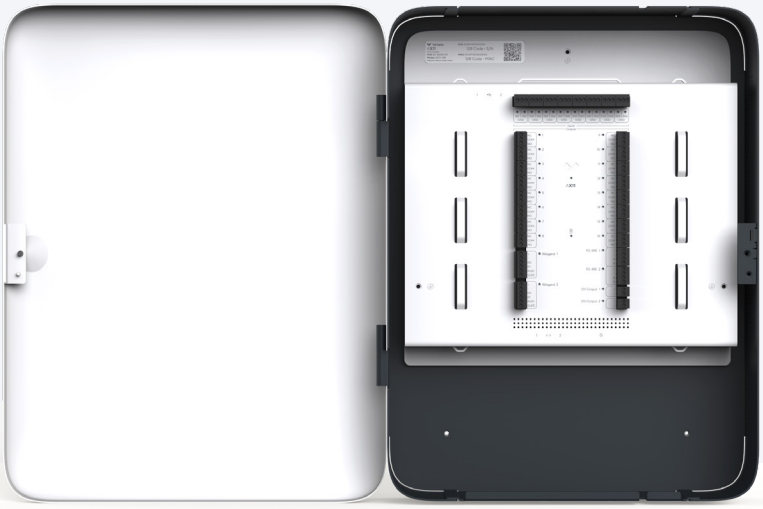
Simplified installation

Install anywhere with detachable mount plate and terminal block design.

AX11 Event Bridge

Video Analytics for any Door

Event Bridge with the AX11 makes your Verkada cameras even more powerful. Add video analytics to your doors, even if they are not secured by Verkada. Access events will stream into Command to give you better visibility of your entrances and exits. The best part is that you can continue using your existing access control or alarm system since functionality of your door panels is unaffected.



Overview

Instant Video Analytics for any door

Pair a Verkada camera to get video context on any door event and integrate computer vision functionality like Person of Interest detection.

Live and historical access events

Enable the Access tab to see when the door is opened & held open as well as door activity over time. View all your cameras and doors from Verkada's centralized Command platform.

Real-time alerts and reports

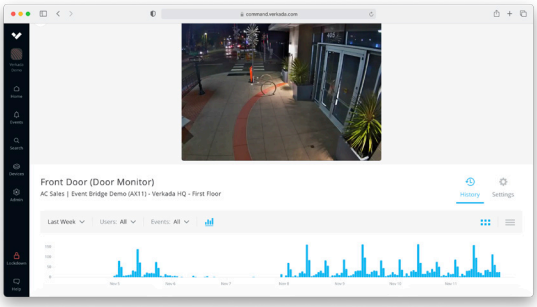
Configure granular SMS or email notifications for more proactive incident response. Export reports to investigate or audit historical events.

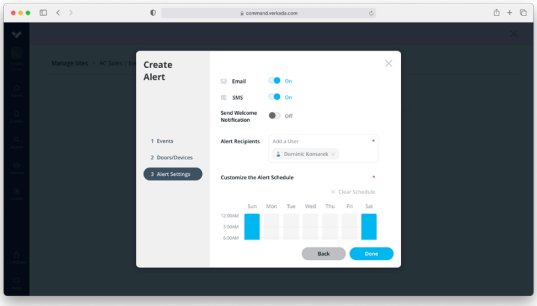
Best of both worlds

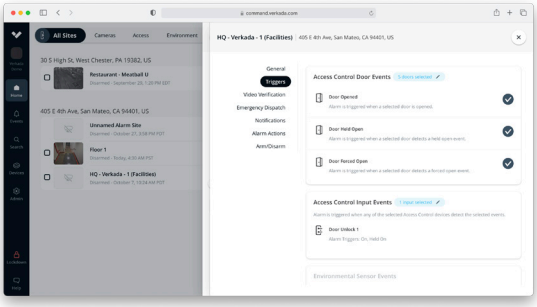
Continue using your existing access control or alarms system to avoid disruptions to your business. AX11 Event Bridge does not require a full system migration, so installs take hours, not days.

Alarms integration with professional monitoring

Door events can be triggers for Verkada Alarms. While your site is armed, agents will review video footage of these events from nearby cameras in real time.







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

AX11
Tech Specs

AX11

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	2 External Outputs 1A/12V Power Each 2A Combined Max		

Compliance and availability

Availability	USA, CAN, IN, UK, EU	**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

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

Ordering Information

Controller pricing

Model Number	Description	Cost (MSRP) USD
AX11-HW	AX11 IO Controller	$1,599

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