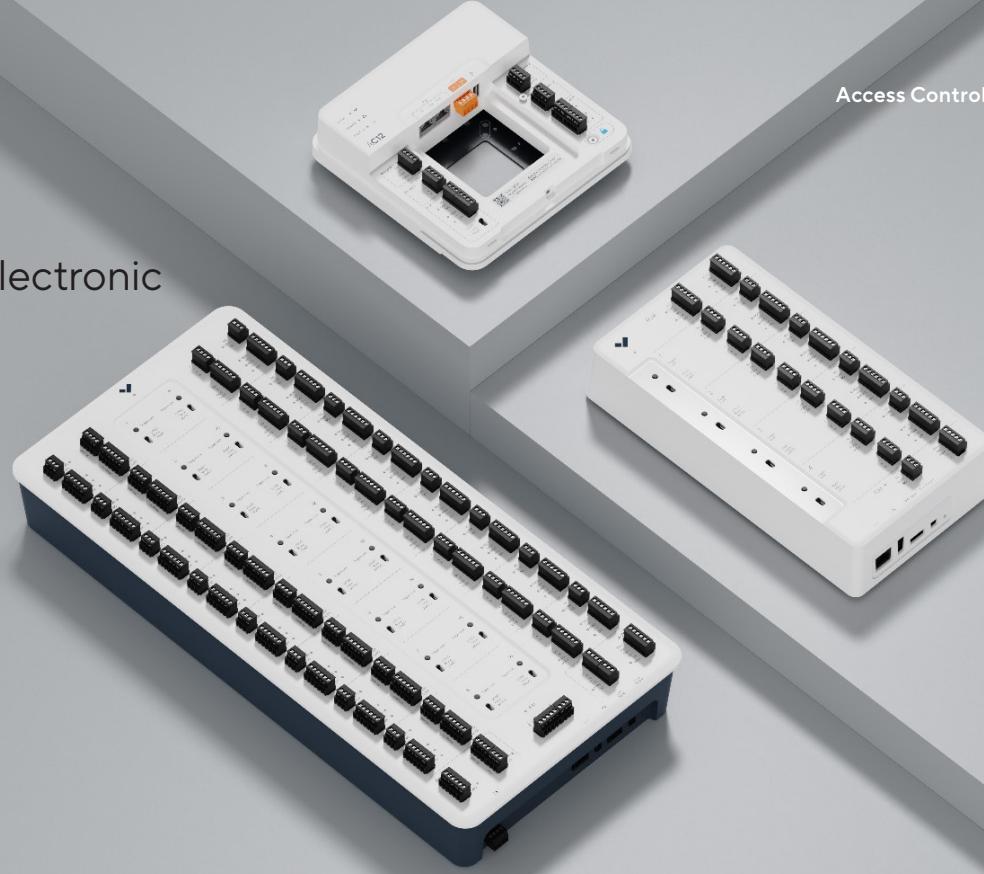


## Access controllers

# Cloud-Managed Electronic Access Control



## Overview

Built from the ground up, Verkada access controllers offer the speed and reliability of on-premise systems as well as the scalability and accessibility of the cloud.

Verkada controllers are managed through Verkada Command, a cloud-based platform offering scale and security. With Command, automatic updates minimize security vulnerabilities, unnecessary downtime, configuration issues and costly infrastructure and maintenance costs. Verkada Command is also designed to simplify access management and enhance security: Native integrations with Verkada Cameras, Guest, Intercom and Alarms provide greater entrance security without creating additional system overhead.

To compliment the simplicity and scalability of the cloud, Verkada controllers feature on-device compute and storage capabilities that allow them to store and process information for thousands of users, sites and access configurations entirely on device. These capabilities ensure that Verkada access controllers will continue to function regardless of power or internet connectivity – offering reliability and scalability.

## Key features

### All-in-one design

Standalone devices include all server, database and application capabilities on-device.

### On-device reliability

Onboard storage and processing ensures devices will operate even if they have lost power or internet connection.

### Remote Door Unlock

Remotely unlock functionality allows users to securely unlock any Verkada-secured door from Command or the Verkada Pass app.

### Automatic firmware updates

Updates configure automatically. No patching, manual updates or IT overhead required.

### Cloud-managed

Verkada Command allows admins to manage physical access control from any device in any location.

### 10 years warranty

Warranty guarantees that your physical security investment will maintain peak operations throughout its lifetime.



## Access controllers

# A Cloud-Managed Controller for Every Application

## Overview

Built from the ground up, Verkada access controllers offer the speed and reliability of on-premise systems as well as the scalability and accessibility of a cloud-managed platform. Verkada controllers feature on-device compute and storage capabilities that allow them to store and process information for thousands of users, sites and access configurations entirely on device. These capabilities ensure that Verkada access controllers will continue to function regardless of power or internet connectivity – offering reliability and scalability.



	AC12	AC41	AC42	AC62	AX11
<b>Warranty</b>	10 years	10 years	10 years	10 years	10 years
<b>Doors</b>	1	4	4	16	0
<b>Readers</b>	2 (Verkada/RS-485 or Wiegand)	4 (Verkada/RS-485 or Wiegand)	4 (Verkada/RS-485 or Wiegand)	16 (Verkada/RS-485 or Wiegand)	2 (Verkada/RS-485 or Wiegand)
<b>REX Inputs</b>	2	1 / door	2 / door	2 / door	0
<b>DPI Inputs</b>	2	1 / door	1 / door	1 / door	0
<b>AUX Inputs</b>	1 dry input	2 dry inputs	2 dry inputs	1x wet or dry relay per door 2x auxiliary dry relays	16 dry outputs 2x12V outputs
<b>Relay Outputs</b>	1 wet or dry relay per door 1 AUX dry relay	1 wet or dry relay per door 2 AUX wet or dry relays	1x wet or dry relay per door 2x auxiliary dry outputs Hardware FAI	1x wet or dry relay per door	16 outputs
<b>Additional Ports</b>	PoE Passthrough	AUX RS485	-	2 auxiliary reader ports (Verkada/RS-485)	None

1. Verkada offers government-grade versions of the AC12 and AC62 that are TAA compliant and FIPS validated. Agencies and other organizations have the choice to commission these devices in AWS GovCloud or in a standard AWS environment.



## 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 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 functionality.

### 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



## AC12

## Power and network

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

## Reader and relay ports

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

## Compliance and availability

<b>Availability</b>	USA, CAN, UK, EU	<b>Compliance &amp; Safety</b>	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

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

Thoughtfully Designed for Versatility and Scalability



## Overview

Secure entryways with cloud-managed access control through the versatile AC42 four-door controller. The AC42 can power four doors with Verkada or third-party readers. Each door port can support two REX devices and a door position indicator (DPI), allowing for native in/out door support. The AC42 also supports two 12V AUX devices and a connection to a fire alarm interface (FAI).

## Key features

### Terminal block design

Power Verkada or third-party readers and any standard door locking hardware.

### On-device reliability

Onboard storage and processing capabilities ensure that device will operate even if it has lost power or its internet connection.

### Remote Door Unlock

Remotely unlock any Verkada-secured door from Command or the Verkada Pass app.

### Centralized management

Centralize access control credential, site and schedule management across geographies.

### Fire alarm integration

Allow faster egress and firefighter access by automatically remove power from maglocks when a fire alarm occurs.

### Simplified installation

Stenciled install diagram and cable organizer simplify installation.



## AC42

### Tech Specs



AC42

#### Power and network

<b>Power Consumption</b>	60W maximum	<b>Inputs</b>	2x REX dry inputs per door 1x DPI dry input per door 2x auxiliary dry inputs
<b>AC Power Input</b>	100-240VAC 50/60Hz 1.5A maximum	<b>Readers</b>	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
<b>AUX Power</b>	1x 12V @ 250mA	<b>Connectivity</b>	Ethernet: 10/100Mbps RJ-45 for network connection USB 2.0

#### Mechanical

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

#### Compliance and availability

<b>Availability</b>	USA, CAN, IN, UK, EU	<b>Compliance &amp; Safety</b>	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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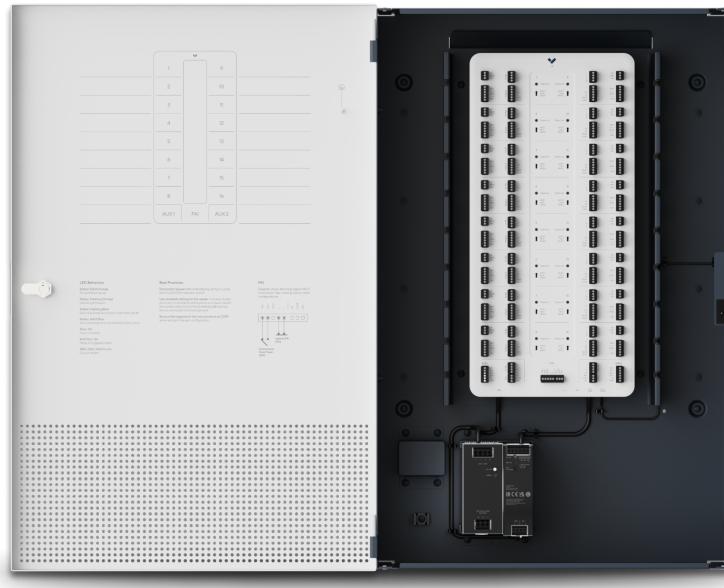
#### General

<b>Dimensions</b>	Height: 417.0mm / 16.4in Width: 321.0mm / 12.6in Depth: 116.3mm / 4.6in	<b>Mounting Options</b>	Mounting plate and four wood screws
<b>Weight</b>	6.4kg / 13.9lbs	<b>Included Accessories</b>	Lock key and flat head screwdriver
		<b>Warranty</b>	10 years



## AC62 16-door controller

### Cloud Managed, Enterprise Scale



## Overview

Verkada's AC62 16-door controller is a cloud-managed, enterprise-scale door controller designed for large deployments. The AC62 features a streamlined hardware footprint and support for up to 16 doors, two AUX devices and a fire alarm interface (FAI).

Like other Verkada access controllers, the AC62 configures instantly and updates automatically – eliminating the need for manual updates and security patches. Beyond system updates, all users, site or access permissions updates are pushed automatically to all controllers, making the AC62 great for global organizations with geographically distributed sites.

The AC62 connects to Verkada Command via an Ethernet connection. 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

### 16 door ports plus

Manage up to 16 doors, door accessories and fire alarm integrations from a single cloud-managed controller.

### Centralized management

Centralize access control credential, site and schedule management.

### Native in/out door support

Power in/out doors across 16 door ports, each with two REX inputs, a DPI input and a reader port.

### Supports 12V/24V wet or dry locks

Support one 12V, 1A or one 24V, 0.5A wet relay per door or one 24VDC, 2A dry relay per door.

### Fire alarm integration

Remove power from maglocks when a fire alarm occurs to allow for faster egress and firefighter access.

### Enterprise-scale design

Install effectively at scale with a terminal block design, multi-part structure, removable connectors and cable management loops.



## AC62

## Tech Specs



AC62

## Power and network

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

## Reader and relay ports

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

## Compliance and availability

<b>Availability</b>	USA, CAN, IN, UK, EU	<b>Compliance &amp; Safety</b>	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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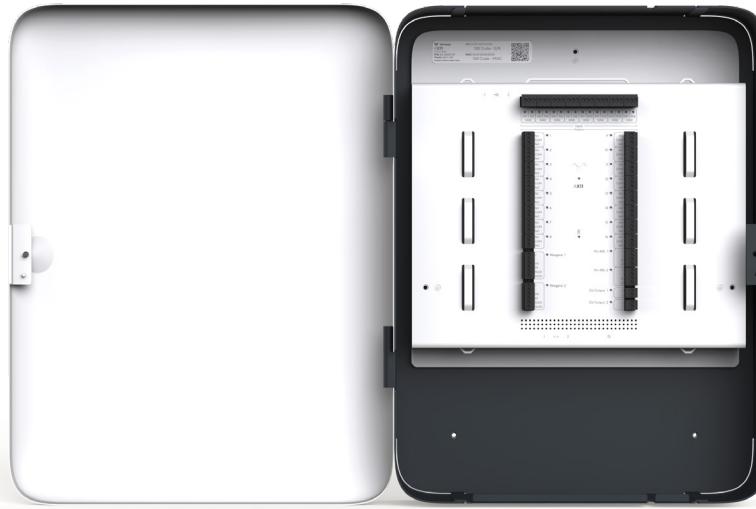
## General

<b>Dimensions</b>	Length: 773.0mm / 30.0in Width: 499.0mm / 20.0in Height: 186.0mm / 7.0in	<b>Mounting Options</b>	Mounting plate and 6 screws (#12x1")
<b>Weight</b>	20.0kg / 44lb	<b>Operating Temperature</b>	0°C - 50°C / 32°F - 122°F, 5 - 90% humidity
<b>Included Accessories</b>	Lock key and flat head screwdriver	<b>Warranty</b>	10 years



## 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

### Tech Specs



AX11

#### Power and network

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

#### Inputs and relay outputs

<b>Inputs</b>	16 Dry Inputs Nominal 5VDC	<b>Relay Outputs</b>	16 Dry Relays 1A/24VDC Contacts
<b>AUX Power</b>	2 External Outputs 1A/12V Power Each 2A Combined Max		

#### Compliance and availability

<b>Availability</b>	USA, CAN, IN, UK, EU	<b>Compliance &amp; Safety</b>	FCC, CE, UL 294, UL 62368-1/CSA C22.2, CAN/ULC-60839-11-1:2016, NDAA
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#### General

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



## Ordering Information

### Controller

Model Number	Description	Cost (MSRP) USD
AC62-HW	AC62 16-Door Controller	\$5,299
AC42-HW	AC42 Four-Door Controller	\$1,799
AX11-HW	AX11 IO Controller	\$1,599
AC12-HW	AC12 One-Door Controller	\$799
AC12-HW-G	AC12-G One-Door Controller for Government	\$849
AC62-HW-G	AC62-G 16 Door Controller for Government	\$5,699

### 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
ACC-POE-60WHS	ACC-POE-60W PoE++ injector, high surge protection PoE++ injector	\$179
ACC-WA-30W	ACC-WA-30W/12V Switching DC Wall Adapter	\$89



## 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



## Ordering Information

### 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

### 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