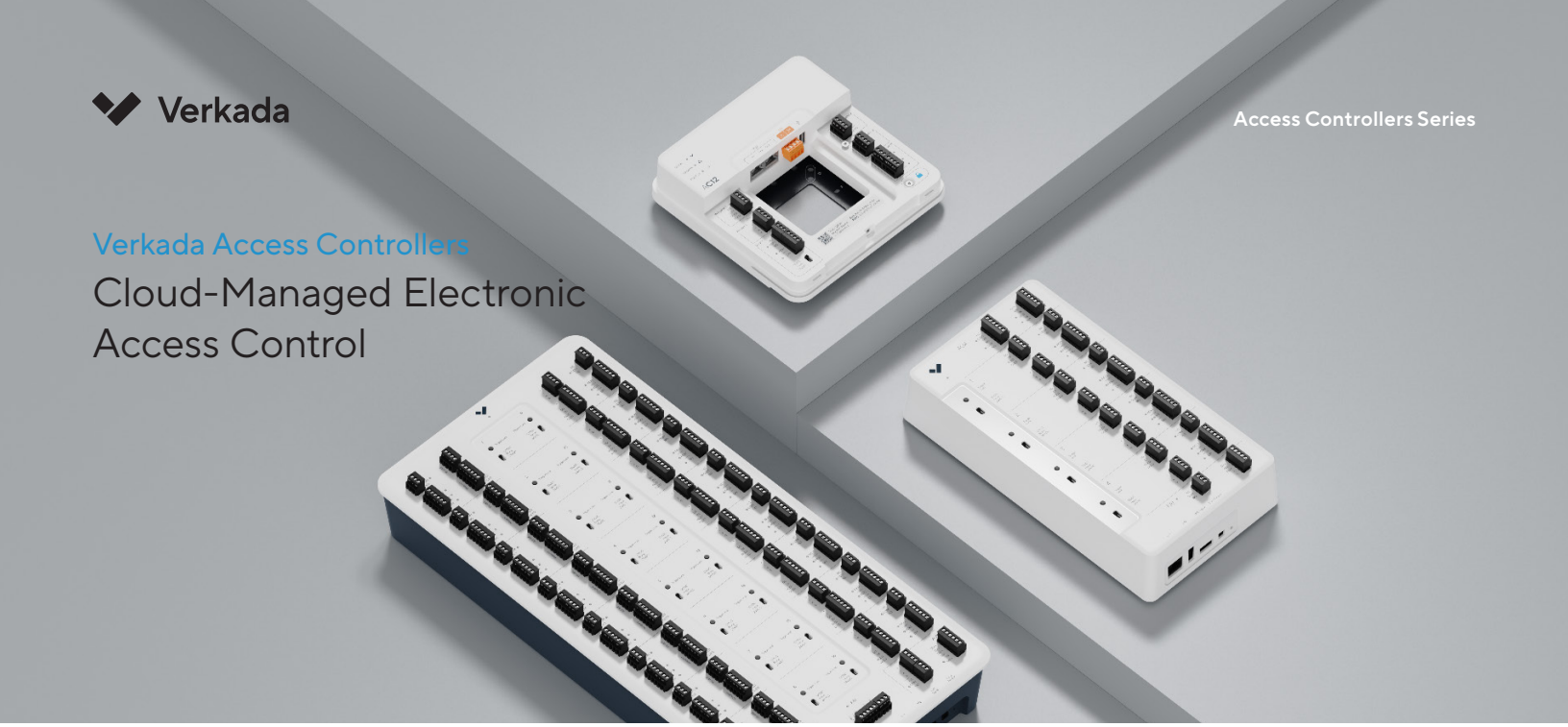


Verkada Access Controllers

Cloud-Managed Electronic Access Control

Overview

Verkada access controllers are easy to install, flexible, and robust. With just power and internet, controllers are up and running in minutes, with no access servers, databases, or legacy desktop tools needed.

The lineup, including the AC12 (one-door controller), AC42 (four-door controller), AC62 (sixteen-door controller), and AX11 I/O and elevator controller, supports a wide range of installations. Controllers can be easily connected to supporting door hardware and come with auxiliary ports for additional inputs and outputs.

The AC12 installs with a single PoE cable and offers PoE passthrough to peripheral devices, all in a compact form factor that mounts cleanly at the door, on the ceiling, or in plain sight for standalone doors. It is also plenum rated, allowing safe deployment in areas used for air circulation, such as drop ceilings. The AC42 and AC62 provide broader door coverage and also include a Fire Alarm Interface (FAI) to cut power to fail safe locks and enable free egress in case of an emergency. Lastly, the AX11 offers 16 inputs and 16 outputs to integrate with panic buttons, strobes, and other sensors or peripherals.

Controllers can maintain access control operations even in the event of network or power outages, thanks to on-board processing and storage, peer-to-peer communication across devices, and back-up battery options.

Key features

No on-prem hardware

With just power and an internet connection, seamlessly bring controllers online in Verkada Command, without the burden of servers, databases, or legacy desktop tools.

Local reliability

Keep doors running in the event of network outages. Controllers directly store the latest access configurations, and P2P communication maintains cross-device operations like lockdowns or LPR unlock.

Encryption

Protect stored credentials, events, user history, and more with AES 256 encryption in transit and at rest

Flexible deployment

With one-door, four-door, sixteen-door, and IO controllers, fit the needs of any deployment - from single doors to elevators and entire buildings. Controllers support diverse inputs, outputs, and in/out door configurations.

Streamlined installations

Directly power any 12V or 24V electronic lock with the controller's integrated power supply and flexible wet relay options. Removable terminal blocks and clear labeling simplify wiring and reduce errors.

Backup power support

In case of power outages, readily connect controllers to Verkada or third-party backup batteries.

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
Warranty	10 years	10 years	10 years	10 years	10 years
Doors	1	4	4	16	0
Readers	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)
REX Inputs	2	1 / door	2 / door	2 / door	0
DPI Inputs	2	1 / door	1 / door	1 / door	0
AUX Inputs	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
Relay Outputs	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
Additional Ports	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

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 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 Wiegand 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 ensures 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

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

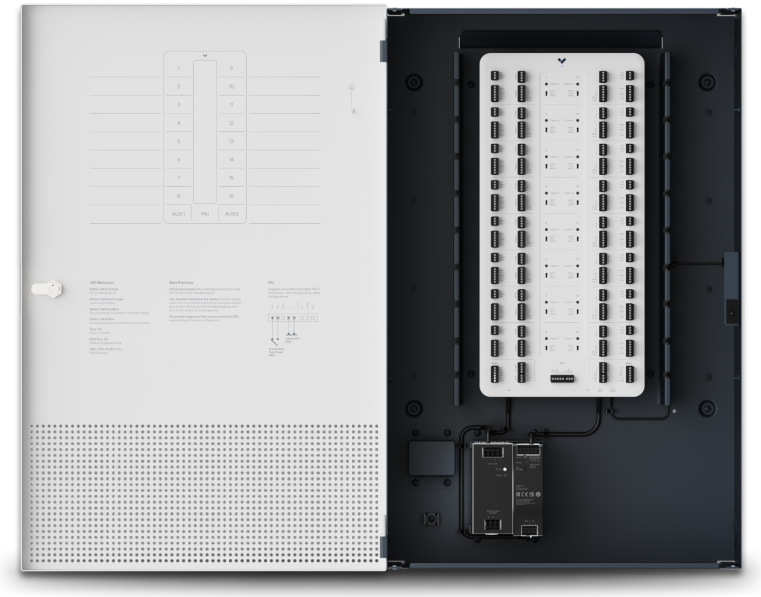
Availability	USA, CAN, IN, UK, EU	**Compliance & Safety**	FCC Part 15 Class A, ICES-3 Class A, CE, UKCA, RCM, VCCI, UL 294, CAN/ULC 60839-11-1, UL 62368-1, CSA C22.2 No. 62368-1, IEC 62368-1, NDAA

General

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

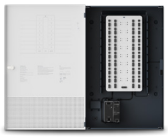
Fire alarm integration

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

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, CAN, IN, UK, EU	**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: 773.0mm / 30.0in Width: 499.0mm / 20.0in Height: 186.0mm / 7.0in	**Mounting Options**	Mounting plate and 6 screws (#12x1”)
Weight	20.0kg / 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

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

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

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