

AC43

Four-Door Controller



Overview

The AC43 Four-Door Controller is an easy-to-install, cloud-managed door controller. It supports up to four doors, two AUX inputs, two AUX outputs, and a fire alarm interface (FAI). With just an Ethernet connection to Command, the AC43 provides admins with centralized visibility and control from any location.

Built for flexibility, the AC43 features a sleek design and supports a wide range of third-party door hardware, peripherals, and Verkada or third-party OSDP and Wiegand readers. It also allows teams to seamlessly mount the ACC-CEL-LTE-2 Cellular Backup Communicator directly onto the chassis to minimize connectivity disruptions, and is designed to support both traditional SLA batteries as well as next-generation lithium iron phosphate (LiFePO4) battery technology.

The AC43 leverages edge processing and locally caches access configurations to maintain door operations, even in the event of network outages. Automatic firmware updates additionally protect hardware and eliminate the need for manual updates and security patches.

Key features

Centralized, remote management

Manage all deployments from a single platform, accessible from anywhere.

Offline operations

Maintain door operations during network outages with a local cache of access configurations and P2P communication for cross-device functionality.

Fire alarm integration (FAI)

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

Automatic firmware updates

Keep devices up to date and secure with no manual effort.

LTE backup

Seamlessly mount the ACC-CEL-LTE-2 Cellular Backup Communicator directly onto the chassis to minimize connectivity disruptions.

Integrated power supply

Deliver power directly to door hardware through an integrated power supply and flexible wet relay options.



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Tech specs

Power and network

Power consumption	98W 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 < 600 mA per reader power port
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 AC43)	Wet relay switch-selectable power: 12V operation 700mA max 24V operation 350mA max	Operating temperature	32°F - 122°F / 0°C - 50°C, 5-90% humidity

Compliance and availability

Availability	US, CAN, EU, UK, AUS, NZ, JP	Compliance & safety	FCC Part 15B, ICES-003, CE, UKCA, RCM, VCCI, UL 294, ULC 60839-11-1, UL 62368-1, CSA C22.2 No 62368-1, IEC 62368, FY2019 NDAA compliant
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General

Dimensions	Height: 16.4in / 417.0mm Width: 12.6in / 321.0mm Depth: 4.6in / 116.3mm	Mounting options	Mounting plate and four wood screws
Weight	14.0lbs / 6.35kg	Included accessories	Lock key and flat head screwdriver
Warranty	10 years		



Ordering information

AC43 Four-Door Controller

Model number	Description	US cost (MSRP) ^{USD}	WW cost (MSRP) ^{USD}
AC43-HW	AC43 Four-Door Controller	\$1,999	\$1,999

Accessories

Model number	Description	US cost (MSRP) ^{USD}	WW cost (MSRP) ^{USD}
ACC-BAT-4AH	Verkada 4AH Backup Battery	\$129	\$129
ACC-CEL-LTE-2	Cellular Backup Communicator	\$349	\$349

Access Control Cloud license (new/capacity increase)

Model number	Description	US cost (MSRP) ^{USD}	WW cost (MSRP) ^{USD}
LIC-AC-1Y-CAP	1-Year Door License, Capacity Increase	\$249	\$249
LIC-AC-3Y-CAP	3-Year Door License, Capacity Increase	\$599	\$599
LIC-AC-5Y-CAP	5-Year Door License, Capacity Increase	\$999	\$999
LIC-AC-10Y-CAP	10-Year Door License, Capacity Increase	\$1,999	\$1,999

Access Control Cloud license (renewal)

Model number	Description	US cost (MSRP) ^{USD}	WW cost (MSRP) ^{USD}
LIC-AC-1Y-RNW	1-Year Door License, Renewal	\$249	\$249
LIC-AC-3Y-RNW	3-Year Door License, Renewal	\$599	\$599
LIC-AC-5Y-RNW	5-Year Door License, Renewal	\$999	\$999
LIC-AC-10Y-RNW	10-Year Door License, Renewal	\$1,999	\$1,999