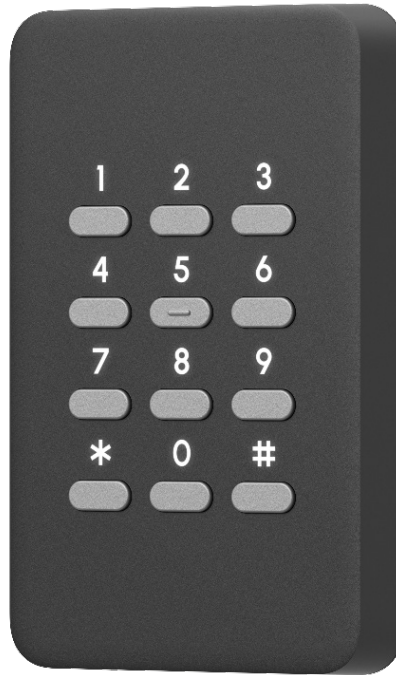


## AD64

### 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.

### 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

<b>Power Consumption</b>	12V, 250mA max	<b>Rating</b>	IP65, IK08
<b>Controllers</b>	Requires an RS-485 connection to a Verkada access controller or TD52 Intercom		

#### Credential compatibility

<b>High Frequency Credentials</b>	Verkada DESFire EV3 (card or fob), MIFARE DESFire card serial number	<b>Mobile Credentials</b>	Verkada Pass app (BLE), mobile NFC, Apple Wallet
<b>Low Frequency Credentials</b>	125 KHz proximity cards	<b>Keypad</b>	PIN only, two-factor authentication (badge + PIN)

#### General

<b>Dimensions</b>	Height: 5.2" (13.2 cm) Width: 3.2" (8.1 cm) Depth: 0.9" (2.3 cm)	<b>Operating Temperature</b>	-40 to 149° F (-40 to 65° C) 5-90% RH non-condensing
<b>Weight</b>	0.47 lb (0.2 kg)	<b>Warranty</b>	10 years
<b>Certifications</b>	FCC, CE, UL 294, UL 62368-1/CSA C22.2, CAN/ULC-60839-11-1:2016		

#### Installation

<b>Included Accessories</b>	Single gang mounting plate, T10 screwdriver, 2 wall mount screws, 2 M3 machine screws	<b>Mounting Options</b>	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



## Ordering Information

### Door Reader

Model Number	Description	Cost (MSRP) USD
AD64-HW	AD64 Door Reader	\$599
ACC-AD-BP	AD34 Single Gang Anodized Aluminum Backplate	\$99

### Controller

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



## 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

### Mobile NFC License (New/Capacity Increase)

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

### Mobile NFC License (Renewal)

Model Number	Description	Cost (MSRP) USD
LIC-MNFC-20-1Y-RNW	Add up to 20 users with a mobile NFC credential for 1 year, Renewal	\$199
LIC-MNFC-20-3Y-RNW	Add up to 20 users with a mobile NFC credential for 3 years, Renewal	\$599
LIC-MNFC-20-5Y-RNW	Add up to 20 users with a mobile NFC credential for 5 years, Renewal	\$999
LIC-MNFC-20-10Y-RNW	Add up to 20 users with a mobile NFC credential for 10 years, Renewal	\$1,999