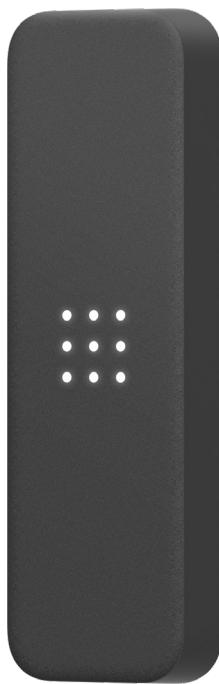


## AD34 Door Reader

Magically Simple,  
Effortlessly Secure



## Overview

The AD34 Door Reader supports a wide array of card types, including both low-frequency proximity cards and high-frequency credentials. This includes ultra-secure, encrypted NFC credentials like Verkada DESFire EV3 cards and employee badges in Apple Wallet.

With the AD34, organizations can also provide a secure yet 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 AD34 includes a 10-year warranty and is IP65 and IK08 rated, making it suitable for outdoor deployments and harsh environments. It also features an easy-to-install, secured snap-in form factor, and ships with both single gang and mullion mount plates, simplifying nearly any installation.

## Key features

### LF, HF, NFC support

Compatible with both low-frequency proximity cards and high-frequency NFC credentials such as Verkada DESFire EV3 badges and Apple Wallet.

### Secure Bluetooth Intent Unlock

The AD34 can be configured to require both proximity-based Bluetooth authentication and precise unlock intent in front of the reader, such as a hand wave.

### OSDP encryption

The AD34 uses Secure Channel OSDP v2 to communicate with the access controller over RS-485.

### Ready for any installation

The AD34 includes both single gang and mullion form factors in the box. The reader is IP65 and IK08 rated, making it suitable for outdoor environments.

### Easy troubleshooting

See reader connection quality in Verkada Command to monitor performance and flag connectivity issues.

### Intuitive LED feedback

LEDs display access granted and denied feedback, lockdown states, and connectivity status.



## AD34

## Tech Specs



AD34

## Power and network

|                          |                |               |            |
|--------------------------|----------------|---------------|------------|
| <b>Power Consumption</b> | 12V, 250mA max | <b>Rating</b> | IP65, IK08 |
|--------------------------|----------------|---------------|------------|

## Compatibility

|  |   |   |  |
|--|---|---|--|
| <b>Controller Compatibility</b>          | Requires a RS-485 connection to a Verkada access controller or intercom | <b>Low Frequency Card Compatibility</b> | 125 KHz Proximity Cards                    |
| <b>High Frequency Card Compatibility</b> | Verkada DESFire EV3, MIFARE DESFire Card Serial Number                  | <b>Mobile Credential Compatibility</b>  | Verkada Pass app, mobile NFC, Apple Wallet |

## Compliance and availability

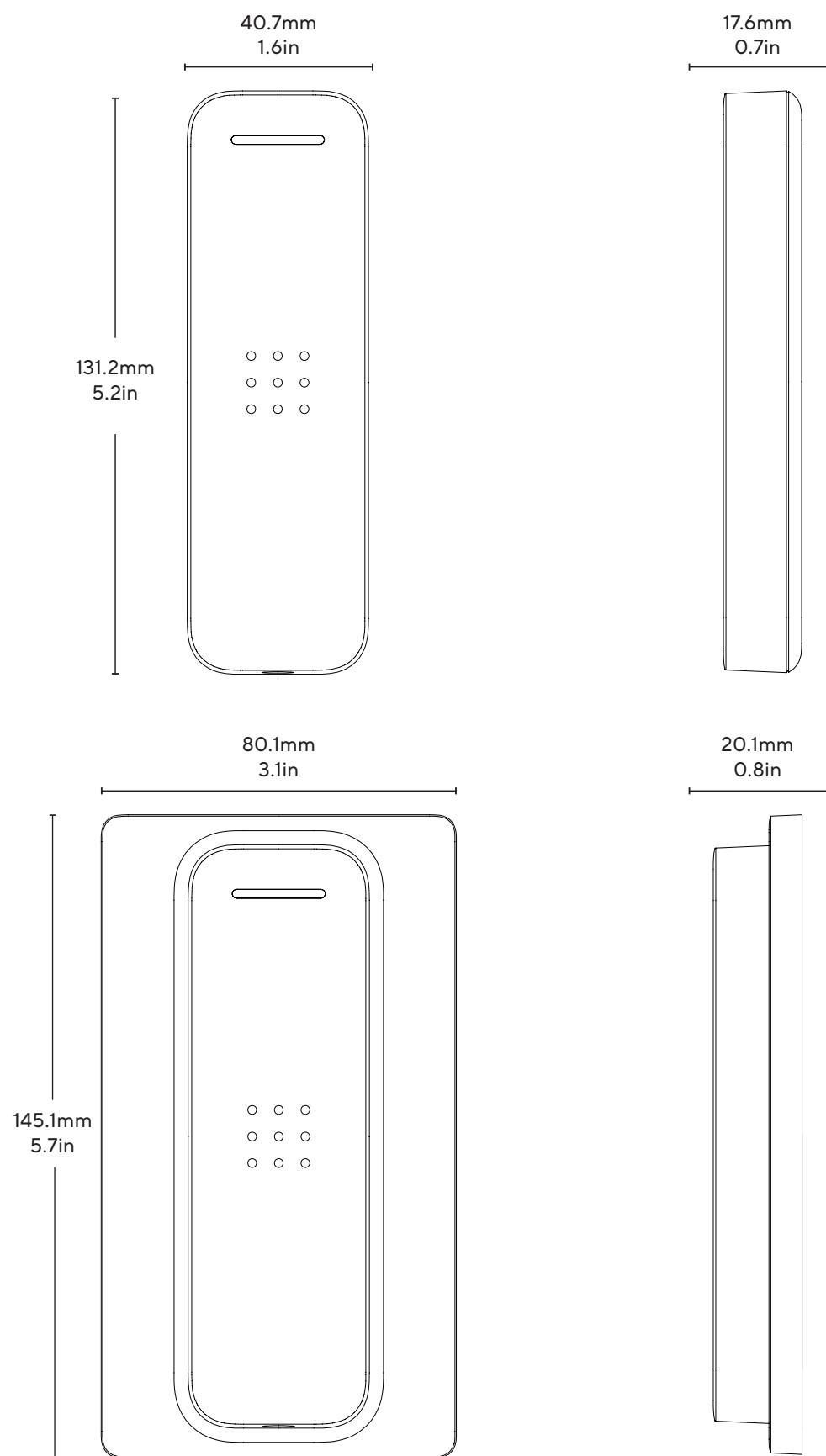
|                     |                           |                                |  |
|---------------------|---------------------------|--------------------------------|--|
| <b>Availability</b> | USA, CAN, UK, EU, AUS, NZ | <b>Compliance &amp; Safety</b> | FCC, CE, UL 294, UL 62368-1/CSA C22.2, CAN/ULC-60839-11-1:2016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

## General

|                             |   |                               |   |
|-----------------------------|---|-------------------------------|---|
| <b>Mullion Dimensions</b>   | Height: 131.2mm / 5.2in<br>Width: 40.7mm / 1.6in<br>Depth: 17.6mm / 0.7in                                     | <b>Single Gang Dimensions</b> | Height: 145.1mm / 5.7in<br>Width: 80.1mm / 3.1in<br>Depth: 20.1mm / 0.8in |
| <b>Weight</b>               | Mullion mount 0.08kg / 0.18lb<br>Single gang mount 0.10kg / 0.23lb  | <b>Operating Temperature</b>  | -40° to 65°C / -40° to 149°F<br>5-90% RH non-condensing                   |
| <b>Included Accessories</b> | Single gang mounting plate, mullion mounting plate, T10 screwdriver, 2 wall mount screws, 2 M3 machine screws | <b>Mounting Options</b>       | Single gang and mullion (mounting plates and screws included)             |

## 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

### AD34 Door Reader

| Model Number | Description                                  | Cost (MSRP) USD |
|--------------|--|-----------------|
| AD34-HW      | AD34 Door Reader                             | \$349           |
| ACC-AD-BP    | AD34 Single Gang Anodized Aluminum Backplate | \$99            |



## 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         |