Verkada

AD33 card reader

A Multi-format Card Reader With Intuitive LED Displays for a Simple Badging Experience

Overview

The AD33 is a multi-form factor card reader that brings reliability, security and an intuitive end user experience to hard wired access control installations. Revamped with state of the art hardware, the AD33 is designed to support a growing portfolio of access control software features. The AD33 is IP65 and IK08 rated and is built to withstand harsh outdoor conditions like extended direct sunlight exposure, extreme temperatures and excessive rainfall. The AD33 leverages Verkada's OSDP based protocol and an RS-485 connection with the access control unit to provide industry-leading access control security.

The AD33 also offers a host of features custom built for end users and building aesthetics. The AD33's ten indicator and feedback LEDs clearly display the status of any badge events to the end user while also supporting a sleek, modern badging experience. The unit also ships with both a mullion mount plate and a single gang mount plate to support installations on multiple surfaces and spaces.

Key features

Support for multiple card types

- Supports low frequency cards such as 37-bit Wiegand, 35-Bit Corporate and Proximity cards
- Supports high frequency cards such as MiFare and DESFire credentials
- Supports mobile bluetooth access via the Verkada Pass App

LED behavior for an intuitive end user experience

- The feedback LED on the top of the unit displays white, green or red to indicate that the status of the unit and any associated badge scan events
- The 9 indicator LED lights display green or red feedback LEDs in response to successful and unsuccessful badge events and/or lock states
- Red status and pulsing feedback LEDs display when a lockdown scenario or event has been triggered in Verkada Command, and the that door cannot be unlocked

Designed for easy installations

- LEDs provide information on the real-time connection status between the reader and the controller
- AD33 unit ships with five feet of wiring attached to the reader – allowing easy and simple installation and wiring
- Single gang and mullion form factors are both included out of the box

AD33
Tech Specs

AD33

Power and rating

Power Consumption	12V, 300mA max	**Rating**	IP65, IK08

Compatibility

Controller Compatibility	Requires Verkada Access Control Unit (AC41, AC42 or AC62)	**Low Frequency Card Compatibility**	HID Prox II 26-Bit (H10301), 37–Bit Wiegand HID H10304, 37–Bit Wiegand HID H10302, HID 35–Bit Corporate 1000
High Frequency Card Compatibility	MiFare / DESFire (CSN), NFC		

Compliance and availability

Availability	USA, Canada, India, UK, EU, Rest of World	**Compliance & Safety**	FCC, CE, UL 294, UL 62368–1/CSA C22.2, CAN/ULC–60839–11–1:2016, NDAA, TELEC

General

Mullion Dimensions	Height: 95mm / 3.7in Width: 45mm / 1.8in Depth: 21mm / 0.82in	**Single Gang Dimensions**	Height: 120mm / 4.7in Width: 80mm / 3.1in Depth: 21mm / 0.82in
Weight	Mullion Mount 0.08kg / 0.175lb Single Gang Mount 0.10kg / 0.225lb	**Operating Temperature**	–40° to 65°C / –40° to 149°F
Included Accessories	Single gang mounting plate, Mullion mounting plate, T8 Security Torx hand tool, 2 Wall mount screws, 2 M3 Machine screws	**Mounting Options**	Unit ships with both standard Single Gang mounting plate and Mullion mounting plate
		Warranty	10 years

Wiring

Mullion Dimensions	Abbreviation	Name
Black	GND	Ground
White	A	RS485-A
Green	B	RS485-B
Red	+12V	+12V IN