

ZKTeco

# MK-V1

A Waterproof Standalone Access Control Device  
Bringing Simplicity to Secure Access



RFID



WI-FI



IP66



Compatible With  
**ZSmart App**



MK-V1 is a standalone access control device made of zinc alloy with an IP65 protection rating, ensuring the device operates round-the-clock in all weather conditions.

MK-V1 offers verification methods including RFID cards, PIN codes and fingerprint (optional). It supports two card modules which include 125kHz and 13.56MHz, granting more flexibility for access control function.

Moreover, MK-V1 is a powerful access control device that offers a variety of features, including remote control via Wi-Fi and Bluetooth connection to the ZSmart mobile app. This allows authorized users to unlock doors from anywhere, making it ideal for businesses with multiple locations or for those who need to access their facilities remotely.

The MK-V1 also has several features, including the ability to work as a Wiegand reader, LED and buzzer outputs to indicate access status, and a Tri-color LED that displays the current system status.

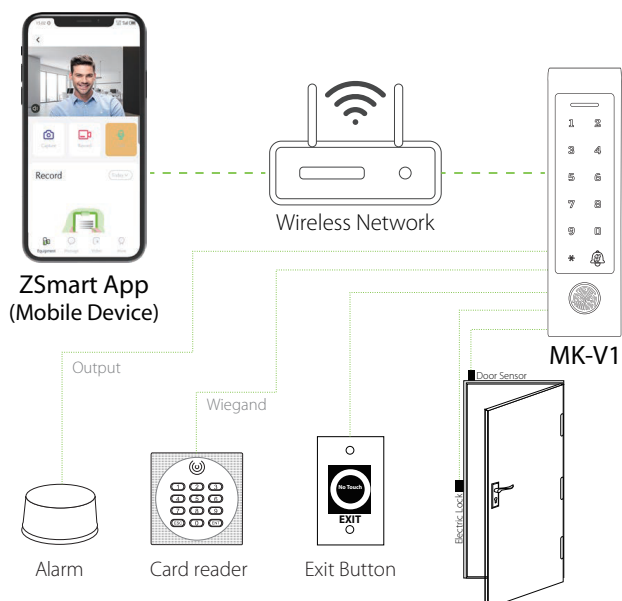
## Features

- Resist a harsh operating environment with zinc alloy housing material.
- Available card modules: 125 kHz ID card and 13.56MHz IC card.
- Achieved IP66 ingress protection rating, indicate its capabilities of waterproof and dustproof.
- Enhance flexibility, MK-V1 can use as Wiegand reader with LED & buzzer output.
- Embedded with a light-dependent resistor (LDR) for tamper detection.

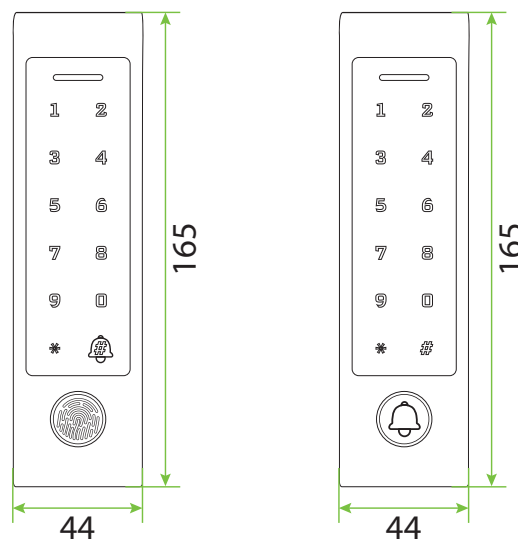
## Specifications

Model	MK-V1	MK-V1[F]
Operation System	Linux	Linux
Hardware	CPU: CKSF030 RAM: 8KB; ROM: 64KB Touch Keypad: 12 Keys	CPU: CKSF030 RAM: 8KB; ROM: 64KB Touch Keypad: 12 Keys
Authentication method	Card / Password	Fingerprint / Card / Password
Fingerprint Template Capacity	/	1,00 (1:N) (Standard)
Card Capacity	888 (1:N) (Standard)	
Transaction Capacity	1,000(Standard)	
Max. User Password Length	6 Digits	
Card Reading Distance	2cm to 6cm	
Biometric Verification Speed	/	<0.3s@ Fingerprint
False Acceptance Rate (FAR) %	/	≤0.001% (Fingerprint Recognition)
False Rejection Rate (FRR) %	/	≤0.1% (Fingerprint Recognition)
Card Type	ID & IC (125 kHz & 13.56 MHz Dual Frequency)	
Communication	Wi-Fi (IEEE802.11n/b/g) @ 2.4 GHz Bluetooth: BLE5.0 Wiegand (Input & Output)*1 Aux Inputs *1, Aux Outputs *1, Electric Lock*1, Door Sensor*1, Exit Button*1, Alarm*1	
Standard Function	Access Control, Buzzer, LED (Green: verification successful ; Red: Normal Status ; Blue: verification is in process), Multiple Verification Methods	
Power Supply	DC 12-18V	
Operating Temperature	-20°C to 60°C	
Operating Humidity	0% to 98% RH (Non-condensing)	
Dimensions	165 mm*44 mm*22 mm (L*W*H)	
Gross Weight	0.500 Kg	
Net Weight	0.415 Kg	
Supported Software	Mobile App: ZSmart (Mobile Credential)	
Installation	Wall-mount	
Ingress Protection Rating	IP66 (waterproof and dustproof)	
Certifications	ISO9001, ISO14001, CE, RoHS, FCC	

## Configuration



## Dimensions (mm)



V1.0 08/11/2023