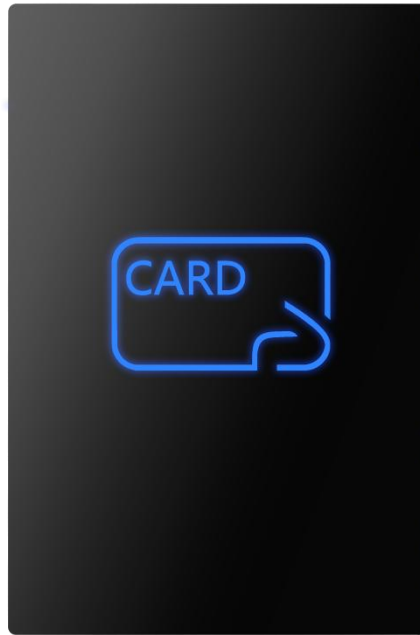


ZKR710M-G(R1515) SM Card Reader

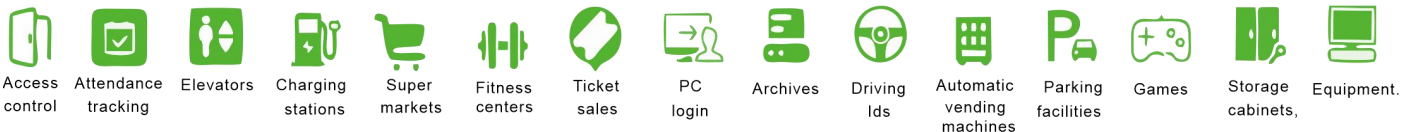


Overview

The ZKR710M-G (R1515) SM Card Reader supports common 13.56MHz RFID smart cards/tags, including: SM CPU cards, MIFARE Classic, MIFARE DESFire, NTAG2xx, CPU, as well as ISO standards such as ISO14443A, ISO18092, and NFC.

The SM card reader supports Wiegand communication, offering flexible integration options for various applications. The card reader is also equipped with corresponding management tools, allowing users to update their configuration parameters and flexibly meet customer needs.

SM card readers are widely used in numerous vertical markets and hardware systems, including access control, attendance, payment, anti-theft, and patrol patrols.



Feature

- ◆ Supports SM CPU cards
- ◆ The card reader has a plastic casing and a large RF antenna, providing excellent card reading performance
- ◆ Support Wiegand communications
- ◆ Supports ISO14443A and ISO18092

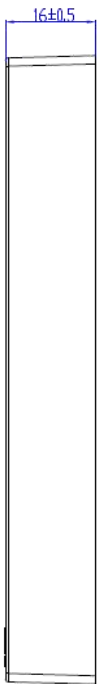
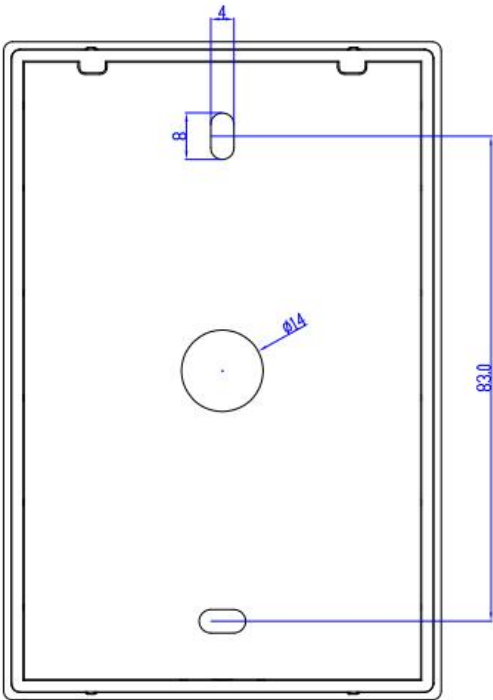
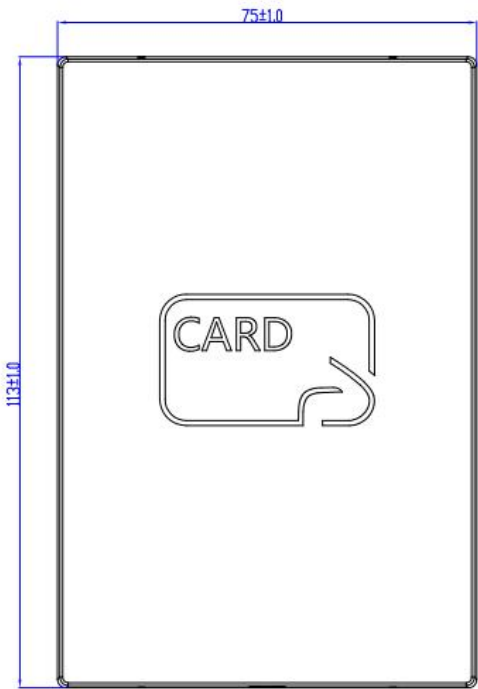
Technical Parameters

Dimensions	113mm×75mm×16mm±1.0mm
Weight	Approx 185.4g
Supply voltage range	DC 9~15V
Operating current	When powered by 12V, the standby current $\leq$ 100mA, and the operating current $\leq$ 150mA
Operating temperature	-20°C ~ 65°C (-4°F ~ 149°F)
Operating humidity	20 - 80% No condensation
Storage temperature	-40°C ~ 80°C (-40°F ~ 176°F)
Operating frequency	13.56MHz
Smart Cards and Protocols (HF)	MIFARE Classic, MIFARE DESFire EV1/2, MIFARE Ultralight, MIFARE Ultralight C, CPU, SM CPU, NFC Forum type 1,2,4 Tag ISO 14443A
Card reading distance	This is related to the installation environment and the card. There is no metal interference within a range of 0 to 5 cm. If there is a metal environment, it may be necessary to readjust the parameters.
SM cryptographic algorithms	SM1
Communication methods	Wiegand
Installation method	Wall mounted
Protection rating	None
Certification	None
Warranty	1 Year warranty

Card support

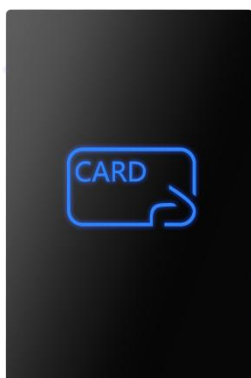
Frequency	Protocol	Card type	○ UID R/O
			● UID R/O & Content R/W
13.56MHz	ISO14443A	MIFARE Classic, Mini	○
		MIFARE Classic EV1	○
		MIFARE DESFire Light	○
		MIFARE DESFire EV1	○
		MIFARE DESFire EV2/EV3	○
		MIFARE PLUS S, X	○
		MIFARE Smart MX	○
		MIFARE Ultralight	○
		MIFARE Ultralight C	○
		MIFARE Ultralight EV1	○
		NTAG 2xx	○
		SM CPU	●
		CPU	○
	ISO18092	NFC Forum Tag type1,2,4	○

Reader Size (Unit: mm)



Wiring definition		
No	Color	Function description
1	Red	12V
2	Black	GND
3	White	D1
4	Green	D0
5	Purple	Beep
6	Gray	LED
7	Yellow	With GND read Card UID

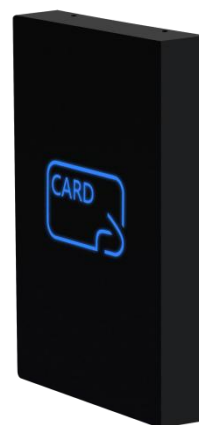
 Reader photos



Front view



Left view



Right view

FCC Warning

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.