

CR01 card reader



The CR01 card reader supports common 13.56MHzRFID smart cards/tags, including: MIFAREClassic, MIFAREDESFire, NTAG2xx, FeliCa, ICODE, CPU, resident identity card, as well as ISO standards such as ISO14443A/B, ISO15693, ISO18092, and NFC.

The CR01 card reader supports USB communication, providing flexible integration options for various applications. The card issuer is also equipped with corresponding management tools. Through these tools, the configuration parameters of the card issuer can be updated, which can more flexibly meet customer needs.

The CR01 card reader is widely used in numerous vertical markets and hardware systems, including access control, attendance, toll collection, anti-theft, patrol, etc.



Product features

- ◆ It supports two working modes: active card reading and passive card reading and writing (receiving card reading and writing instructions and then executing card reading and writing).
- ◆ Supports two PSAM slots.
- ◆ Supports USB communication, as well as the switching between USB-CDC and USB-HID modes.
- ◆ Supports USB firmware upgrade.
- ◆ Support for multiple protocols: ISO14443A, ISO14443B, ISO15693, ISO18092, ISO7816.

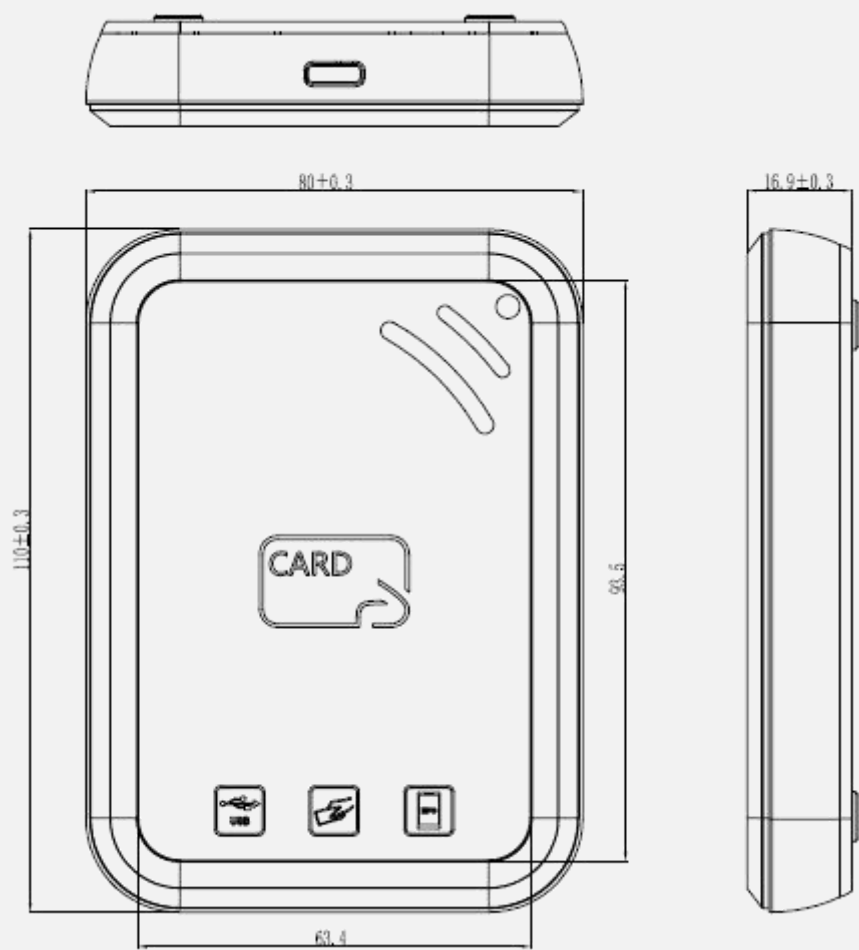
Technical parameters

Size	110mm×80mm×16.9mm±0.3mm
Weight	Approximately 169.0g
Power supply voltage range	USB: 4.5V – 5.5 V
Working current	When powered by 5V, the standby current is ≤250mA and the working current is ≤300mA
Working temperature	-20℃ ~ 60℃ (-4°F ~ 140°F)
Working humidity	20-80% no condensation
Storage temperature	-40℃ ~ 80℃ (-40°F ~ 176°F)
Working frequency	13.56MHz
Smart Cards and Protocols (HF)	MIFARE Classic, MIFARE DESFire EV1/2, MIFARE Ultralight, MIFARE Ultralight C, Resident identity card, FeliCa, ICODE, CPU, NFCForumtype1, 2, 3, 4, 5 tags, PSAM card ISO 14443A, ISO 14443B, ISO 15693, ISO 18092, ISO 7816
Card reading distance	0~4cm, It is related to the installation environment and the card
Communication method	USB
Communication rate	USB: 12Mbps
Operating system	Windows 10, 8.1, 8, 7, Linux, Android, Mac OS X
Certification	No
Warranty	One-year warranty

Support card

Frequency	Agreement	Card type	○Only read the UID
			●UID Reading and content reading and writing
13. 56MHz	IS014443A	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	●
		CPU	●
	IS014443B	Resident identity card	○
		CPU	●
	IS018092	NFC Forum Tag type1、2、3、4、5	●
		FeliCa	●
	IS015693	ICODE ELI	●
		HID iCLASS	○

Product size (Unit: mm)



Product image



Front view



Side view

FCC Warning

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

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.