

D310M-K(D281) Desktop Card Issuer



The D310M-K(D281) desktop card issuer supports common 13.56MHz RFID smart cards/tags including: MIFARE Classic, MIFARE DESFire, NTAG2xx, FeliCa, ICODE, CPU, Resident Identity Card, and ISO14443A/B, ISO15693, ISO18092, NFC and other ISO standards.

The D281 card issuer supports USB communication, providing flexible integration options for a variety of applications. The transmitter is also equipped with a corresponding management tool, through which the transmitter configuration parameters can be updated to meet customer needs more flexibly.

The D281 transmitter is used in a wide range of vertical markets and hardware systems, including access control, time and attendance, toll collection, anti-theft, and patrol.



Product Feature

- ◆ Supports two modes of operation, active card reading and passive card reading/writing (receiving a card reading/writing command and then executing the card reading/writing)
- ◆ Support two PSAM card holders
- ◆ Support USB communication, as well as support for USB-CDC and USB-HID mode switching
- ◆ Support USB upgrade firmware
- ◆ Support multi-protocol: ISO14443A, ISO14443B, ISO15693, ISO18092, ISO7816

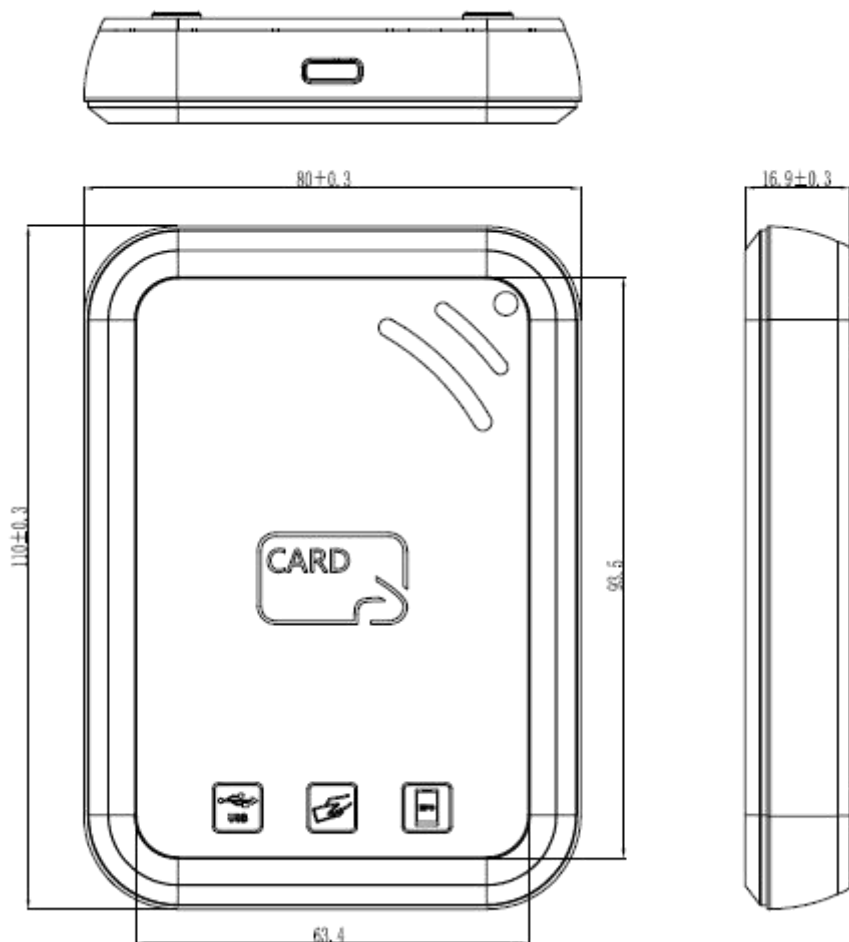
Technical Parameters

Dimensions	110mm × 80mm × 16.9mm ± 0.3mm
Weight	Approx. 169g
Supply Voltage Range	USB: 4.3 V - 5.5 V
Operating current	Standby current ≤ 250mA, operating current ≤ 300mA when 5V power supply
Operating Temperature	-20℃ ~ 60℃ (-4°F ~ 140°F)
Operating Humidity	20 - 80% non-condensing
Storage temperature	-40℃ ~ 80℃ (-40°F ~ 176°F)
Operating Frequency	13.56MHz
Smart card and protocol (HF)	MIFARE Classic, MIFARE DESFire EV1/2, MIFARE Ultralight, MIFARE Ultralight C.
	Resident ID, FeliCa, ICODE, CPU, NFC Forum type 1, 2, 3, 4, 5 Tags, PSAM Card
	iso 14443a, iso 14443b, iso 15693, iso 18092, iso 7816
Card reading distance	0~4cm, depends on installation environment and card
Communication mode	USB
Communication rate	USB: 12Mbps
Operating System	Windows 10, 8.1, 8, 7, Linux, Android, Mac OS X
Authentication	None
Warranty	1 year warranty

Card support

Frequency	Protocol	Card type	○ UID Read only
			● UID and content read
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	●
		CPU	●
	ISO14443B	SFZ Card	○
		CPU	●
	ISO18092	NFC Forum Tag type1, 2, 3, 4, 5	●
		FeliCa	●
	ISO15693	ICODE ELI	●
		HID iCLASS	○

Product size (Unit: mm)



Product photos



Front view



Side 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.