

# D310 Series

Desktop Issuer



## Overview

D310 Series desktop card issuer is a contactless card issuer developed based on ISO/IEC14443A/B, ISO/IEC15693 international standard protocol. This series of card issuers is based on USB drive-free design, supports 125kHz and 13.56MHz frequency bands, and supports different models such as ID cards, IC card, second-generation Chinese ID card.

This series of products has been widely used in personal authentication, network login, micro-payment, membership management and other scenarios, and designed with metal middle frame. It has the characteristics of strong anti-interference ability, high integration, and USB communication.

## Models

Model	Code	Description
D310E	D126	ID read-only issuer, support EM4100、EM4102、EM4200, ID thick card, ID thin card, ID key-chain card. Support configuring output formats.
D310MA	D132	IC read-only card issuer Support read UID of MIFARE Classic Mini/EV1, MIFARE DESFire EV1/Light/EV2/EV3, MIFARE Plus S/X , MIFARE Ultralight/Ultralight C/Ultralight EV1, NTAG2xx; Support read UID of CPU; Support configuring output formats.
D310MB	D134	IC read-only card issuer Support read UID of MIFARE Classic Mini/EV1, MIFARE DESFire EV1/Light/EV2/EV3, MIFARE Plus S/X , MIFARE Ultralight/Ultralight C/Ultralight EV1, NTAG2xx; Support read UID of CPU; Support read UID of the second-generation Chinese ID card; Support configuring output formats.

D310MWA	D140	<p>IC read&amp;write card issuer</p> <p>Read and write card data through software;</p> <p>Support read UID of MIFARE Classic Mini/EV1, MIFARE DESFire EV1/Light/EV2/EV3, MIFARE Plus S/X , MIFARE Ultralight/Ultralight C/Ultralight EV1, NTAG2xx;</p> <p>Support read UID of CPU;</p> <p>Support read and write MIFARE S50/S70 card sector content, modify sector key;</p>
D310MWAPLUS	D148	<p>IC/CPU read&amp;write card issuer</p> <p>Support read UID of MIFARE Classic Mini/EV1, MIFARE DESFire EV1/Light/EV2/EV3, MIFARE Plus S/X , MIFARE Ultralight/Ultralight C/Ultralight EV1, NTAG2xx;</p> <p>Support read and write MIFARE S50/S70 card sector content, modify sector key;</p> <p>Support read UID of the CPU card, encrypted content, and writing the CPU card;</p> <p>Support DESFire EV1 card application file read and write operations;</p> <p>Support read&amp;write MIFARE Ultralight/Ultralight C;</p> <p>Support read&amp;write NTAG2xx;</p> <p>Support active and passive card reading mode switching, configurable active card reading output format.</p>
D310MWE	D149	<p>IC/CPU read&amp;write card issuer</p> <p>Support read UID of MIFARE Classic Mini/EV1, MIFARE DESFire EV1/Light/EV2/EV3, MIFARE Plus S/X , MIFARE Ultralight/Ultralight C/Ultralight EV1, NTAG2xx;</p> <p>Support read and write MIFARE S50/S70 card sector content, modify sector key;</p> <p>Support read UID of the CPU card, encrypted content, and writing the CPU card;</p> <p>Support DESFire EV1 card application file read and write operations;</p> <p>Support read&amp;write MIFARE Ultralight/Ultralight C;</p> <p>Support read&amp;write NTAG2xx;</p> <p>Support read&amp;write ISO15693 card(eg: ICODE 2 );</p> <p>Support read UID of the second-generation Chinese ID card;</p> <p>Support read UID of HID iClass card;</p> <p>Support to read FELICA card physical card number (for example: Hong Kong Octopus);</p> <p>Support national secret SAM card read and write operations;</p> <p>Support active and passive card reading mode switching, configurable active card reading output format.</p>

## Features

- ◇ USB powered, plug and play, drive-free;
- ◇ Support ISO/IEC14443A、ISO/IEC14443B、ISO/IEC15693 standard protocol;
- ◇ support online update firmware;
- ◇ The output format of the card number can be set independently through the software;
- ◇ Support Windows/Android/Linux multi-system.

## Specifications

Params.	Description
Protocol	ISO/IEC14443A、ISO/IEC14443B、ISO/IEC15693
Working frequency	13.56MHz, 125KHz
Working voltage	USB+5V

Working current	Less than 150mA
Standby current	Less than 150mA
Working temperature	-10℃~+60℃
Store temperature	-20℃~+70℃
Working humidity	15% ~ 90%
Sensing distance	Less than 30mm(depends on card types and environment)
Sensing time	Less than 100ms (in sensing distance)
Sensing speed	0.2s
Sensing interval	0.5s
Interface	USB
Size	110*80*16.2mm (tolerance±0.3mm)

**TEL: +86-0755-29062099-8018**

For more contact methods and product information, please visit our website: [www.zkradio.com](http://www.zkradio.com)

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