



D247 Desktop Card Issuer Instructions

Add: 1601, Block 6, Cloud Park, Bantian Street, Longgang District, Shenzhen

TEL: 0755-29062099

Web: <http://www.zkrfid.com>

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I. Overview

USB driverless IC desktop card issuer is a contactless smart card serial number reader developed based on the ISO/IEC14443 A, ISO/IEC14443 B, and ISO 15693 international standard protocols. It is designed with a high-performance RF card reader circuit designed by our company; it has the characteristics of high integration, strong anti-interference ability, small size, stable performance, high cost performance, and convenient use. Can provide USB communication interface. It is widely used in various radio frequency identification application fields such as access control, attendance, charging, anti-theft, patrol and so on.

II. Features

- It comes with a card reader antenna, the working frequency is 13.56MHz;
- The data receiving time within the effective distance is less than 90ms;
- Data output by USB.

III. Physical Picture



IV. Functions

- Support the physical card number of the card conforming to the ISO14443A protocol (includes S50/S70/desfire/NTAG213/NTAG216/ultralight/FM1204 /FM1208);
- Get Felica/HID iclass physical card number;
- Read & Write S50\S70;
- Read & Write Ultralight C;
- Read & Write NFC tag(NTAG213);
- Read & Write ISO15693 OCODE 2;
- Read & Write Desfile;
- Provide ISO14443A APDU command;
- Provide ISO14443B APDU command.

V. Parameters of D247

ITEM	DETAILS
size	110*80*18mm (tolerance \pm 3mm)
Electrical Parameters	Operating Voltage: DC 5V (\pm 4%) Stand-by Current: <60mA Swipe Current: <200mA
Environmental Requirements	Operating Temperature: -10°C ~ 50°C Storage Temperature: -20°C ~ 65°C
Working Frequency	13.56MHz
International Standard	ISO/IEC 14443A,ISO/IEC 14443B,ISO 15693
Communication Format	USB output
Length of connection line	1500MM
Card number output format	The default active mode hexadecimal positive sequence output all card numbers

VI. Instructions

Connect the card issuer to the computer through the USB cable:

1. Power on -- the power indicator light will be blue and green together (about 10S);
2. Turn on -- the power indicator (green) lights up once, and the buzzer sounds once;
3. Standby state -- the blue light of the power indicator light is always on;

4. Swiping cards -- swiping the card will turn on the green light and the buzzer will sound once.

VII. Packing List

CONTENT		NOTE(pcs)
Liner		☑1
Desktop Issuer		☑1
Carton		☑1
Foot pad		☑4
USB cable		☑1
Packing	Box	☑1
Others		

VIII. Device prompt

Type	Number of beeps	Note
Power On	1 time	Buzzer duration 400mS
Swiping Cards	1 time	Buzzer duration 200mS

IX. Troubleshooting

FAQ	Solution
No response when power on, and the buzzer does not sound	1. Check if the socket is plugged in 2. Whether the connection line is good
Reader does not read cards	1. Check if the card type is correct 2. Whether the card is damaged

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

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

ISED Statement

English: This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

The digital apparatus complies with Canadian CAN ICES-3 (B)/NMB-3(B).

French: Cet appareil contient des émetteurs/récepteurs exempts de licence qui sont conformes aux RSS exemptés de licence d'Innovation, Sciences et Développement économique Canada.

L'exploitation est soumise aux deux conditions suivantes :

- (1) Cet appareil ne doit pas provoquer d'interférences.
- (2) Cet appareil doit accepter toute interférence, y compris les interférences susceptibles de provoquer un fonctionnement indésirable de l'appareil.

l'appareil numérique du ciem conforme canadien peut - 3 (b) / nmb - 3 (b).

This device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS 102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

cet appareil est conforme à l'exemption des limites d'évaluation courante dans la section 2.5 du cnr - 102 et conformité avec rss 102 de l'exposition aux rf, les utilisateurs peuvent obtenir des données canadiennes sur l'exposition aux champs rf et la conformité.

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment.

Cet équipement est conforme aux limites d'exposition aux rayonnements du Canada établies pour un environnement non contrôlé.

RF Exposure

The device has been evaluated to meet general RF exposure requirement. This equipment should be installed and operated with minimum distance 0mm between the radiator & your body.

L'appareil a été évalué pour répondre aux exigences générales d'exposition aux RF.

Cet équipement doit être installé et utilisé avec une distance minimale de 0 mm entre le radiateur et votre corps.