USER Manual

13.56M RFID DeskTop USB READER

Please read the user manual carefully before using the device

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Federal Communications Commission (FCC) Statement. 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.

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.

Warning: Changes or modifications made to this device not expressly approved by ShenZhen YanShen Electronic Co., Ltd may void the FCC authorization to operate this device.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

RF exposure statement: The device compliance RF exposure requirement and can installed and used without restriction

FissaiD 13.56M Smart RFID Card reader writer Operation Manual

1. Product Profile
EasyMF is designed as an external input device to read Mifare14443A type A(or compatible) RFID card UID and send data to host machine (PC/ Mac/Android device) via USB interface according to the specified format, total 28 formats can be selected by user. It also can be set in Writer mode to read and write mifare S50/S70 sector data.

It is widely used in RFID application systems such as Access Control, Time Attendance, membership, logistics, industrial process control etc.

2. Feature:
As an UID reader
a) Read Miafre 4 Byte and 7 Byte UID (S50,S70, UL, Desfire,Ntag etc)
b) Total 28 formats can be set with a configuration card
c) Driver-free, supports Windows, Linux, iOS, Android
d) Buzzer enable or disable by config card
e) configurable to suit for QUERTY, AZERTY,QWERTY keyboard layout
f) Configurable for sending data to un-focused window
g) in default, EasyMF is 10 digital format, send data to focused window, QWERTY keyboard.

As An USB writer:
Read and write the sector data of Mifare card, Max 64 Blocks (S50,70), includes each config block

3. How to use
Works as external input device (PS2 type):
Works with PC: connect reader to PC USB port; run editable software such as Word, Notepad, or existing user software ; read a card. The number is shown on window at the cursor location.
Works with Mac: same as work on PC (new Mac need type C converter)
Works with android device: an OTG adapter is required between the android device and EasyMF reader.
Works as USB device (send data to un-focused window), your own program is required.
Works as USB Writer (Download windows PC software)   http://www.fissaid.cn/EasyMF

4. Change the output format
Each Mifare card is with 32 bits identification numbers, and the number grouped as 10 digitals Hex data that called as 10H. In different application, specified output format of those 10H data is required, for example in Access Control system, wiegand26 is used, the wiegand26 format is 2H_3D_4H_5D in EasyMF output system. That's mean, convert 2 digitals Hex data to 3 digitals decimal data, and convert other 4digitals Hex to 5 digitals decimal data.
The advantage of EasyMF reader is easy to change output, and total 28 formats can be set in 2 different way which is listed below:

A)By the config card in shipment box
Run an editable software, like notepad, plug in reader. Reads this config card 3 times before read any other card, reader will enter auto config mode, the output format or function will be display on window at each second. Plug off reader when the demand format or function is appeared, setting is stored automatically and will work at next power on.
B) By plug in and plug off (when config card is lost)
b.1) Run an editable software, like notepad, plug in reader and let it to
    read one cards. Then plug off reader. Now do below step
b.2) Plug IN and plug off Reader within 1 second
b.3) Plug IN and plug off Reader within 1 second
b.4) Plug IN and plug off Reader within 1 second
b.5) Plug IN Reader, reader will enter auto config mode also.
    If you can not get success with B, pls try more times
Find answer & solution or download latest operation manual/video at: www.fissaid.cn/EasyMF
Service Email: Taylor@szjat.com.cn

5 Output format list:

1	8H-10D-E	8	8H-10D	15	8H-10D-R-E	22	8H-10D-R
2	2H-3D-4H-5D-E	9	2H-3D-4H-5D	16	2H-3D-4H-5D-R-E	23	2H-3D-4H-5D-R
3	8H-E	10	8H	17	8H-R-E	24	8H-R
4	6H-E	11	6H	18	6H-R-E	25	6H-R
5	6H-8D-E	12	6H-8D	19	6H-8D-R-E	26	6H-8D-R
6	6H-10D-E	13	6H-10D	20	6H-10D-R-E	27	6H-10D-R
7	4H-5D-4H-5D-E	14	4H-5D-4H-5D	21	4H-5D-4H-5D-R-E	28	4H-5D-4H-5D-R

Remark:
1-28 are output format, suffix with -E means after data output, ENTER   is sent ; otherwise, only
     data is sent；   -R, means reverse data
E: QWERTY keyboard layout   F: AZERTY keyboard layout   H: QUERTY keyboard layout
Disable buzzer: no beeps after reading card
Enable buzzer: buzzer sounds after reading card
PS2 : Read only mode, emulate keyboard input data to cursor location
USB: Writer mode, communicate with host, to read or write sector data
4 byte and 7 Byte UID: when reader format is set in 8H, reader will distinguish the card type and send 4 or 7 byte UID accordingly

There are several reference documents and video can be download on line: www.fissaid.cn/EasyMF
If you want Demo code for USB function, Send Email to request taylor@szjat.com.cn

6. Quick Start and trouble shooting:
Quick testing: plug reader to PC & run Word, lets cursor on Word window. Then read sample cards in the shipment package. If reader beeps & data is shown on window, means reader work properly.

Q: connect to PC, no beeps, no LED, do not reading
A: try on other USB port or re-start PC
Q: Reader beeps & LED on, read sample card but not my card?
A: your card is not Mifare 14443Ac card. EasyMF does not support other type cards
Q: reader reads card but reading distance is too short?
A: if is reader on a metal surface (example: laptop is metal case, and reader was on laptop surface) or other 13.56M reader is nearby.
Q: Lost config card, how to set reader?
A: a) Run any editable software, Plug in reader till buzzer sounded
    b) Fast Plug IN then Plug Off reader immediately (within 1 second)
    c) repeat step b 2 times again, then
    d) Plug IN reader to host, buzzer sound, reader enter config mode
Refer Viedo: www.Jatsecurity.com/config-reader-output-viedo-2.html

7. About Return:
Pls. contact with us before return goods. Our team will help to solve your issues due to we are original designer/ manufacturer of this reader.
You know, each return to Amazon is creating rubbish, due to all returns will be scrapped by FBA.

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RF exposure statement:

This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. The device is installed and operated without restriction.