

SM-8300 Desktop Metal Reader



SM-8300 is a metal aluminum casing design; support RS485, RS232 and Wiegand26/34 Communication method; small size, beautiful, easy to place on the desktop. Full support for ISO-18000-6C (EPC G2) protocol;

SM-8300A: RS232, RS485

SM-8300B: RS232 TCP/IP

1. Features:

- ☆ Metal Aluminum Casing design
- ☆ Provide RS232、TCP/IP、RS485、Wiegand26\34\42 interface
- ☆ Provide automatic writing card, card reading DEMO software, convenient for customers to write cards;
- ☆ Power: 110~240V/50~60Hz
- ☆ Adapter: 7.5-12V/3A
- ☆ output Power: 0~30dBm ± 1dBm
- ☆ Data interface: RS232、TCP/IP、RS485、Wiegand26\34\42
- ☆ Gain: 3dBi
- ☆ working temperature: -20°C~75°C
- ☆ storage temperature: -40°C~85°C
- ☆ Working humidity: 5%~95% No condensation
- ☆ size: 180*163*33mm
- ☆ weight: 500g
- ☆ material: Metal Aluminum Casing

Main feature:

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- ☆Protocol: EPC Global Class1 Gen2/ISO 18000-6C
- ☆Frequency: US frequency: 902.75MHz~927.25MHz,
EU frequency: 865-868Mhz
- ☆Frequency mode: Fixed / hopping
- ☆Reading Distance: standard card: 0~60cm;
- ☆writer distance: standard card: 20~40cm;

Standard UHF Card:

Model: SM-301

Material: PVC

Size: 85.5x54x0.84MM

Chip : Alien/higgs3

Protocol: ISO 18000-6C、EPC Class1 Gen2

Memory: 64 Byte

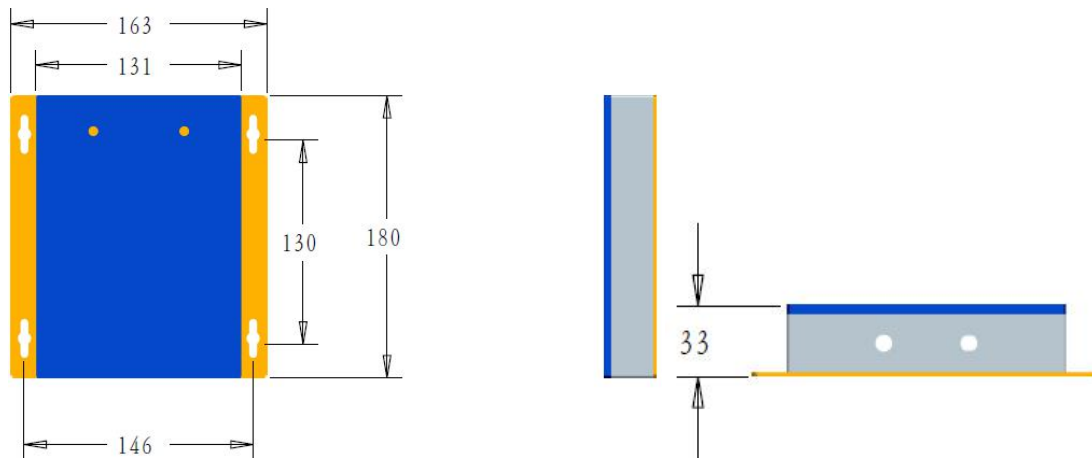
Frequency: 860~960MHz

Working model: Passive

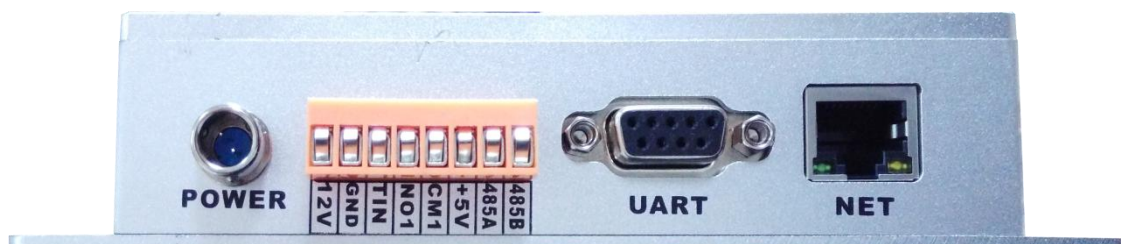
Surface: Blank or with logo printing



Size:



Interface



Input and output port (GPIO) definition:

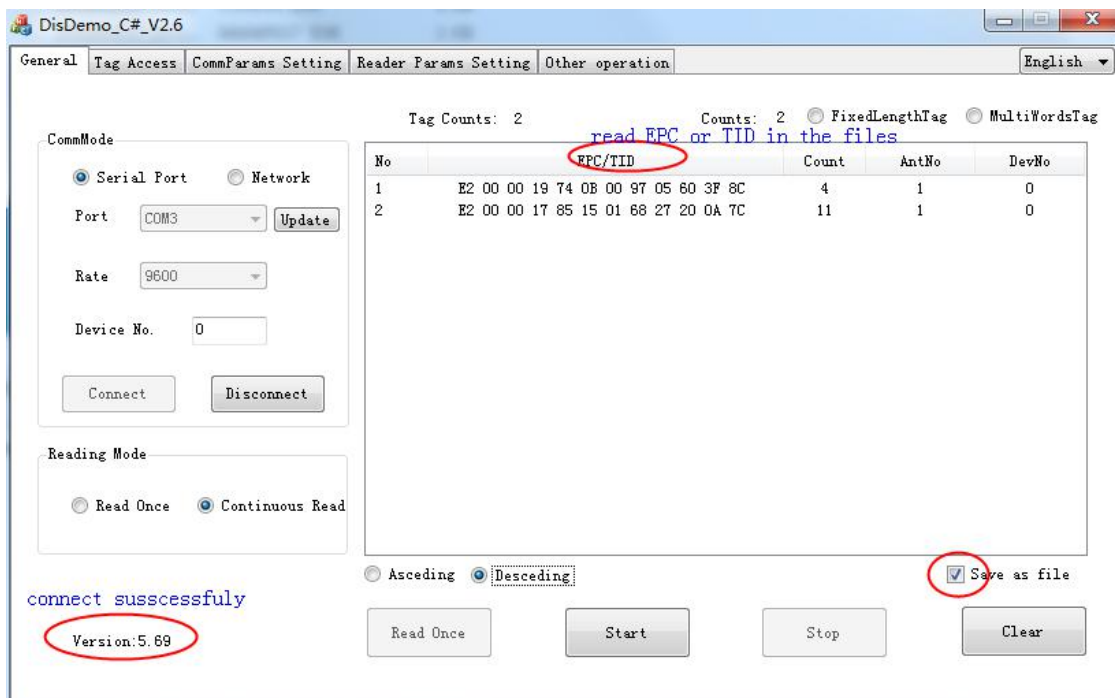
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Pin number	Port Name	Description
1	12V	+12V input/output
2	GND	ground
3	TIN	Trigger input (active low)
4	NO1	Relay 1 output (normally open)
5	COM1	Relay one road input
6	+5V	+5V output
11	485A	RS485A
12	485B	RS485B

DEMO:

1. Read EPC or TID

Click Alt+0(If you want to save the file, click alt+0 and there will be save files.)



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General | Tag Access | CommParams Setting | Reader Params Setting | Other operation | English

Tag authorization

Old AuthPwd(4 hex characters)

New AuthPwd(4 hex characters) Result: None

Read the Card Control

Buzzer Voice

R/W Bank

EPC
EPC
TID

USB output format (only with double usb device)

Relay Control

Initiative

Passivity

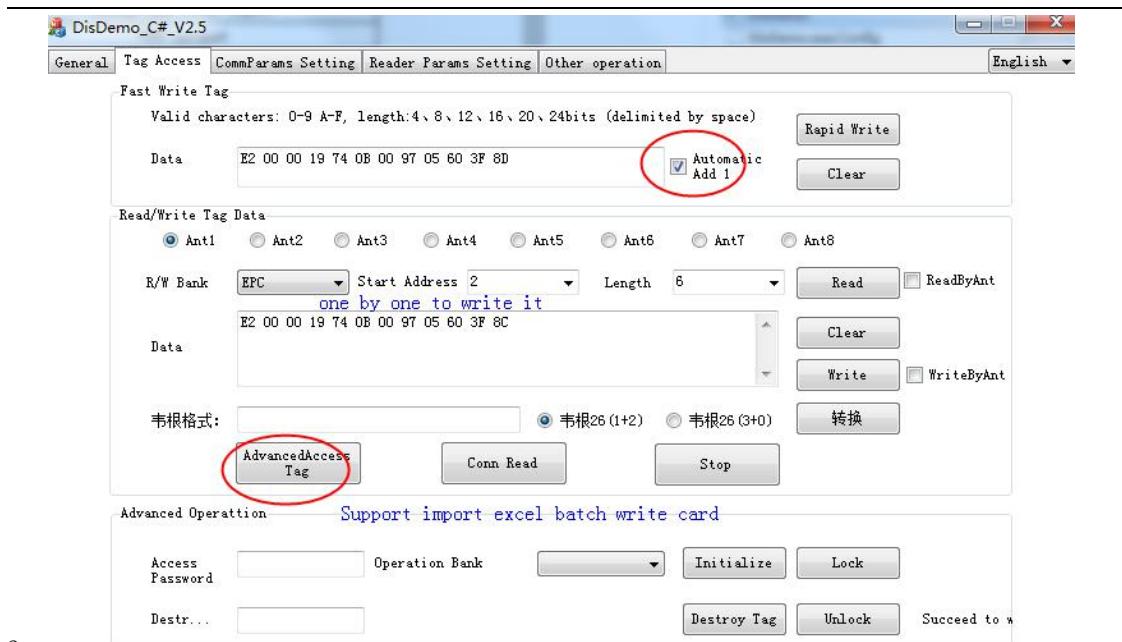
Set TID or EPC you want to read

名称	修改日期	类型	大小
DisDemo	2019/03/08 11:1...	应用程序	372 KB
DisDemo.exe.Config	2019/04/10 12:1...	CONFIG 文件	2 KB
DisDemo.pdb	2019/03/08 11:1...	PDB 文件	478 KB
DisDemo.suo	2019/03/08 11:1...	SUO 文件	3 KB
DisDemo.vshost	2019/03/08 11:1...	应用程序	12 KB
DisDemo.vshost.exe.Config	2019/03/08 11:1...	CONFIG 文件	2 KB
DisDemo.vshost.exe.manifest	2019/03/08 11:1...	MANIFEST 文件	1 KB
Disdll.dll	2019/03/08 11:1...	应用程序扩展	112 KB
disdll.h	2019/03/08 11:1...	H 文件	29 KB
Disdll.lib	2019/03/08 11:1...	LIB 文件	9 KB
epc	2019/03/08 11:1...	文本文档	1 KB
HPSocket4C.dll	2019/03/08 11:1...	应用程序扩展	1,752 KB
msvcp100d.dll	2019/03/08 11:1...	应用程序扩展	727 KB
msvcr100d.dll	2019/03/08 11:1...	应用程序扩展	1,470 KB
tag	2019/04/11 02:3...	文本文档	4 KB
ZLDevManage.dll	2019/03/08 11:1...	应用程序扩展	72 KB
说明	2019/03/08 11:1...	文本文档	1 KB

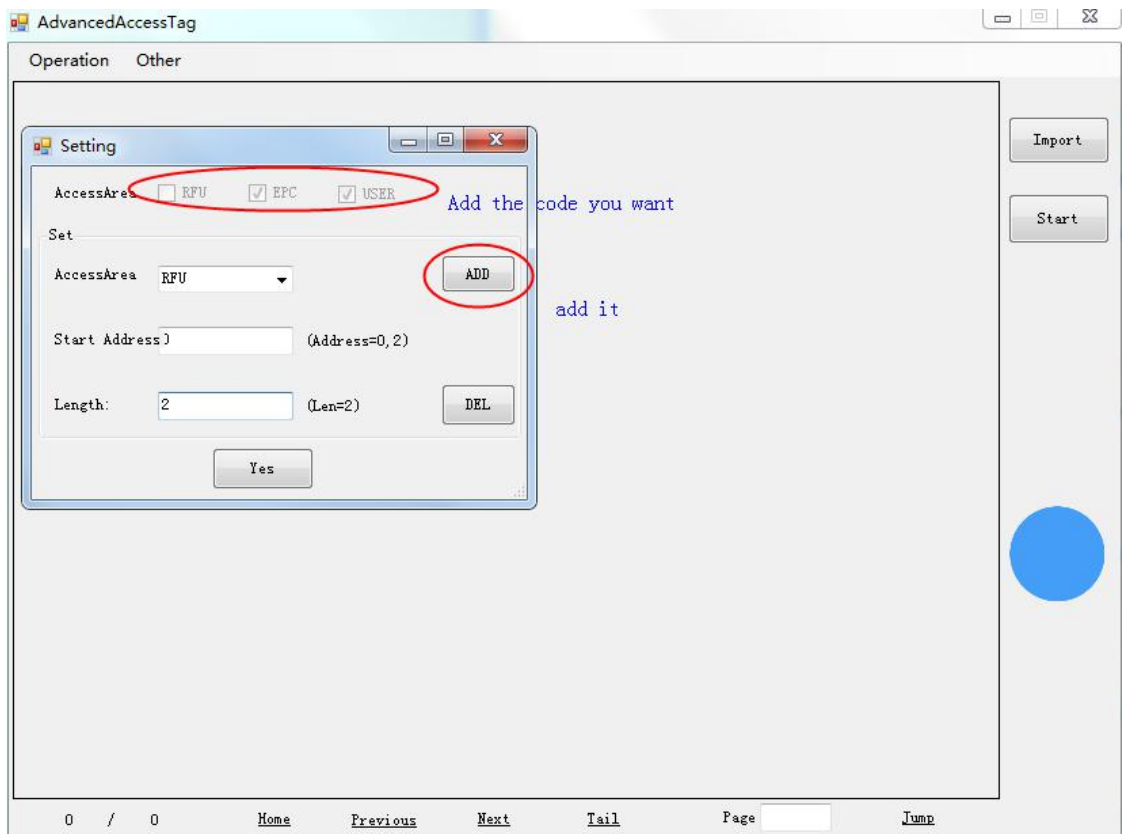
EPC or TID automatic save here

2. How to write EPC, Reserve and User code

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3.



Automatic write EPC , reserve and user, save TID

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Operation Other list in EXCEL

	RFU	USER	State	CheckResult	TID	
1	000000000000200000000351	66778899	11223344	successfully	1	E2003412013B01000053B3F2
2	000000000000200000000352	66778900	11223345	successfully	3	E2003412012B01000053B3EA
3	000000000000200000000353	66778901	11223346	successfully	1	E20034120135030000B0123D
4	000000000000200000000354	66778902	11223347	successfully	3	E28011002000751433B3094F
5	000000000000200000000355	66778903	11223348			
6	000000000000200000000356	66778904	11223349			
7	000000000000200000000357	66778905	11223350			
8	000000000000200000000358	66778906	11223351			
9	000000000000200000000359	66778907	11223352			
10	000000000000200000000360	66778908	11223353			
11	000000000000200000000361					
12	000000000000200000000362					
13	000000000000200000000363					
14	000000000000200000000364					
15	000000000000200000000365					
16	000000000000200000000366					
17	000000000000200000000367					
18	000000000000200000000368					
19	000000000000200000000369					
20	000000000000200000000370					
21	000000000000200000000371					
22	000000000000200000000372					

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Shenzhen Jietong Technology Co.,ltd

Email/skype: sales02@SM-rfid.com

Tel:86-0755 866 34280

Whatsapp: + 86 137 2892 9625

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

Add: 4/F,7 Building,LIHe industry, NO.1055 Songbai Road ,Nanshan

District ,Shenzhen, China