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1. Basic Parameter Setting

1.1 Connect Reader

<1> RS232 connection.

Select connect type

Connect Type

☒ RS232 ☐ TCP/IP

Select Port Port: COM4 (According to the actually Select)

And baud rate Baud rate: 57600bps (default) , click **Connect** ,

If success , can see 2014-7-25 14:09:35 Connected COM4@57600bps

<2>TCP/IP connection.

Select connect type

Connect Type

☐ RS232 ☒ TCP/IP

Input reader ip address and port:

TCP/IP

IP: 192 . 168 . 0 . 250 **Connect**

Port: 27011 **Disconnect**

Click **Connect** .

1.2 Parameter Setting:

Reader address

00 **Set**

- (1) the new reader address to set. This address can't be 0xFF. If set 0xFF, reader will return error information.

Power

26 dBm **Set**


- (2) set and save power configuration.

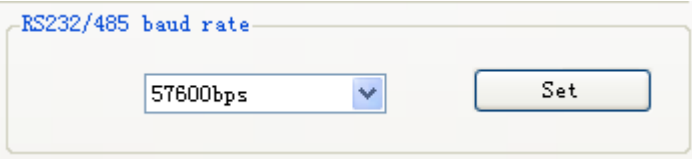
Region

☐ Chinese band1 ☐ Chinese band2 ☒ US band ☐ Korean band ☐ EU band

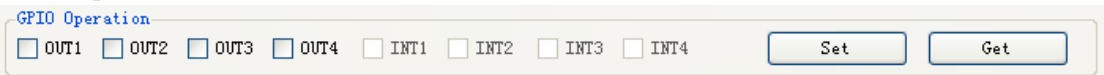
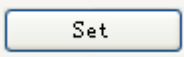
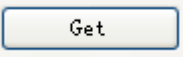
Minfre: 902.75 MHz Maxfre: 927.25 MHz ☐ Single **Set**

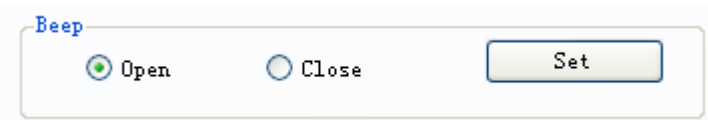
select the reader's band, different band, the frequency is different.

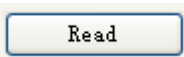
- (4)  Set reader working Min Frequency and Max Frequency. In different places, the radio requires the rule to be different. Users can follow the local situation and choose to read more sensitive frequency range of the card. In single frequency point operation, only need to set two frequencies to the same value. In frequency hopping operation, only need to set two frequencies to the different value.


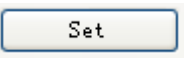
- (5)  demo software start run, default use the baud rate 57600 to open COM port, reader power on, reader baud rate default is 57600. After change the baud rate, reader use the new baud rate until power off. Close port and open port, the baud rate no change. The demo software will use the new baud rate, until close the demo software.

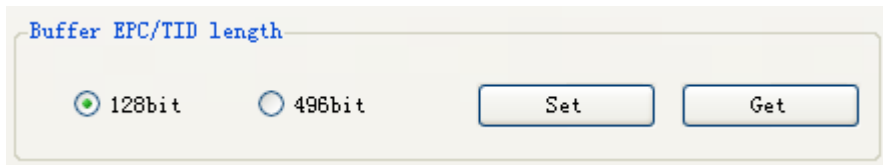
(6) GPIO Operation

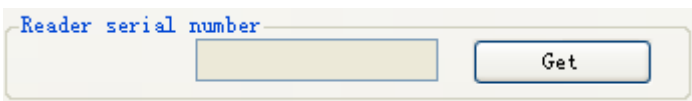
-  Select need pins, click , Can control the output state pins, Click , can get output state pins.

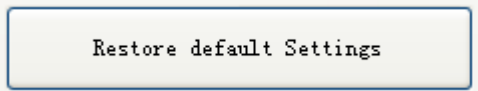
- (7) , Set beep open or close

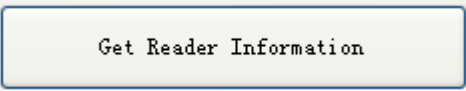
- (8) , click  can get reader's serial number.

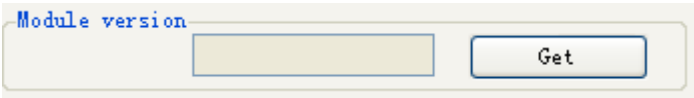
- (9) , select output port, click , Can install require notification output port.

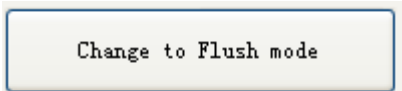
- (10) , this function is used to get or set EPC/TID length on buffer tag.

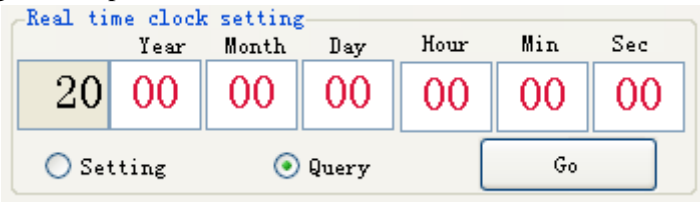
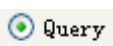
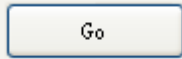
- (11) , this function is used to get reader's serial number.

(12)  , this function is used to restore default setting of reader.

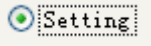
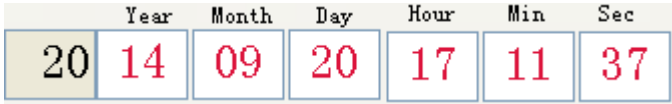
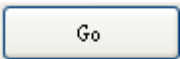
(13)  , this function is used to get reader's information.

(14)  ,this function is used to get module version.

(15)  this function is used to change reader to flash module mode, when changed, reset power can recover it.

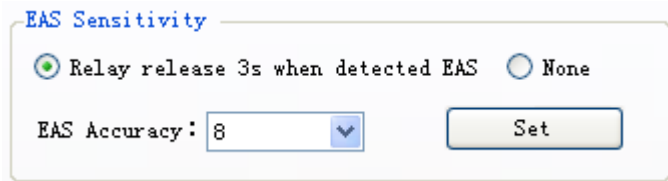
(16)  , select  click  ,

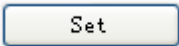

can get real
Clock time  , if clock time is error, can

select  , input right time  ,
click  , Can complete on time of adjustment.

2. Work mode Setting

1.1 Auto running mode Setting:

(1)  , select relay action, accuracy.  ,

click  , if succeeded ,can see  .

Mask setting

☒ EPC ☐ TID ☐ User

Mask address (Hex): Mask length (Hex):

Mask data (Hex):

(2) , choose mask area, for example

choose EPC , mask start bit address: Mask address (Hex): , mask bit length Mask length (Hex): , mask data Mask data (Hex): , if succeeded, can see

2014-9-20 15:20:41 Set mask success

(3)

Query Tag Type

Protocol

☒ EPCC1-G2 ☐ 18000-6B ☒ Query G2 Tag ☐ Detect EAS ☐ Query G2 Tag 's TID

choose query tag type ☒ EPCC1-G2 or ☒ 18000-6B , only choose ☒ Query G2 Tag , you can choose query action, ☒ Query G2 Tag or ☐ Detect EAS or ☒ Query G2 Tag 's TID , if succeeded, can see

2014-9-20 15:22:20 Set tag type success

(4)

Pulse interval

Pulse Time:

, choose pulse time

10ms
10ms
20ms
30ms
50ms
100ms

click , if succeeded, can see 2014-9-20 15:22:59 Set inventory interval success

(5)

Response conditions Setting

RepCondition:

RepPauseTime: *1s

, only choose

Response conditions Setting

RepCondition:

RepPauseTime: *1s

, reponse pause time effective, if succeeded , can

see 2014-9-20 15:24:07 Set Response Pamameter success: Timer notify

(6)

Set Trigger-Time

Trigger Time: *1s

, select trigger time

Set

,click ,if success ,can see

2014-9-20 15:24:59 Set trigger time success

TID Parameter Setting

Start Address: 02

Length: 04

Set

(7) , input start address and read

word number. click

Set

,if success,can see

2014-9-20 15:25:28 Set TID parameter success

Work Mode

Mode Select: Answer Mode

Set

(8) , (only choose answer mode , can

operate other page) click

Set

if succeeded,can see

2014-9-20 15:26:07 Set Work Mode success: Answer Mode

(9) , click button, if succeeded , can see above six parameter.

Get System Parameter

(10) if set auto running or trigger mode, we can get data by page "Auto-Running", click

Start

,then demo will get data from port.

1.2 Real time inventory Setting:

Protocl

☒ EPCC1-G2

☐ 18000-6B

(1) select read tag type on real-time-query mode.

Pulse interval

Pulse Time: 10ms

select read pulse time on real-time-query mode.

Tag Filter

Filter time: 0*1s

Select tag filter time, if select 0 is not filter.

Multiple query parameter

Q: 4 Session: AUTO

Select Q and Session on

real-time-query mode.

When Session is AUTO, only effective with EPC query.

Mask setting

☒ EPC ☐ TID ☐ User ☐ Enable

Start address (Hex): 0000 Length (Hex): 00

Data (Hex):

set mask conditions on

real-time-query mode, if you want it effective, you should check ☐ Enable .

TID Parameter Setting

Start address (Hex): 02

Length (Hex): 04 ☐ Enable

Set query TID parameter on real-time-query mode, if you want it

effective, you should check ☐ Enable .

Set Parameter

set parameter with you select condition,

Get Parameter

get reader parameter

on real-time-query mode.

Work Mode

Mode Select: Answer mode

Set

(2) Set reader work mode, if it set to

Auto real-time query mod

, we can get data by page "AUTO Real time".

3. The Necessary Knowledge

3.1 EPCC1G2 tag memory

Tag memory divided into four storage areas, each storage area can be made up of one or more memory words. The four storage areas:

EPC areas (EPC): Store the area of EPC number, this module stipulates it can store 15 word EPC number. Can read and can write.

TID areas (TID): Store ID number established by the tag production firm. There are 4 words and 8 words two kinds of ID numbers at present. Can read and not can write.

User areas (User): This area of different manufacturers is different. There is no user area in G2 tag of Inpinj Company. There are 28 words in Philips Company. Can read and can write.

Password areas (Password): The first two words is kill password, the last two words is access password. Can read and can write.

Can write protect in four storage areas. It means this area is never writeable or not writeable under the non-safe state; only password area can set unreadable.

3.2 18000-6B tag

6B tag has a memory space, the minimum 8 bytes (byte 0- 7) is UID of the tag, and can't be rewritten. Following byte all can be rewritten, can be locked too, but once locking, can't rewrite again, can't unblock either.

3.3 Data display (tag ID, passwords, memory data is display in 16 hexadecimal)

Write Data (Hex): 1122334455667788

Display in Hex, then 11 is first byte, 22 is second byte, and 1122 is first word.

1122334455667788

Total 8 bytes, in other words, total 4 words.

4. EPCC1-G2 Test

4.1 Query Tag EPC

(1) Select EPC or TID to read, like
Select other condition

☒ EPC ☐ TID

Q: 4 Session: AUTO Max-ScanTime: 20*100ms Target: A

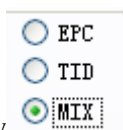
☒ Read 2 times no tag. then A/B conversion ☒ Return Speed

*Note: about Q, S choice, a single tag or less number must be S0, a lot of tag queries using S1 or S2, S3. 2^Q equal tag number is better. If it is a single query effect must use S0
if Session select AUTO, only effective by query EPC. For this demo, session is AUTO, reader will read tag by preset antenna. Other session ,you can select ant by you specified. Also if you write demo by yourself, you can specified antenna with Session-AUTO too.*

(2) Click

Start

No.	EPC	Times	RSSI
1	E20028505003020912309C84	4	74
2	E20028505003012014108542	4	70
3	E20028505003011922602C87	4	75
4	E20028505003016912309BE4	4	69
5	E200285050030107212037D9	4	68
6	E20028505003013911909FC0	4	66
7	E20028505003024112309D04	4	59
8	E20028505003013811909FBC	4	54
9	E20028505003017012309BE8	4	79
10	E20028505003006014208453	4	65
11	E20028505003004914108426	4	65
12	E20028505003007214108482	4	66
13	E20028505003007314108486	4	72
14	E20028505003019512309C4C	4	75
15	E200285050030033141083B5	4	72
16	E200285050030080141084A2	4	69



(3) if select Mix query ,we can select read memory, for example:

Mem: Addr:
 Password: Len:
 Start

No.	EPC	Data	Times	RSSI
1	E20028505003017012309BE8	0133F1000DF59BE7	1	63
2	E200285050030035141083EE	0140F1000DF583ED	1	56
3	E20028505003011411909F5C	013CF1000DF59F5B	1	74
4	7D597D5965B604E00000000	0131F1000DF52CA2	1	80
5	E20028505003019512309C4C	012EF1000DF59C4B	1	67
6	E20028505003010011909F24	0130F1000DF59F23	1	74
7	E2002850500301631190A020	0149F1000DF5A01F	1	73
8	E200285050030112218033FB	013AF1000DF533FA	1	67
9	E200285050030167216034D5	0135F1000DF534D4	1	72
10	E200285050030096141084E2	012EF1000DF584E1	1	63
11	E200285050030019142083AF	0133F1000DF583AE	1	65
12	E20028505003017212309BF0	013AF1000DF59BEF	1	62
13	2959295911540A4E00000000	0134F1000DF52CC5	1	70
14	E200285050030160216034B9	0133F1000DF534B8	1	73
15	E20028505003019312309C44	0131F1000DF59C43	1	67
16	E200285050030033141083B5	013BF1000DF583E5	1	58

4.2 Read Data, Write Data, Block Erase

Read Data / Write Data / Block Erase
 Start address (Hex): Read/Write data (Hex):
 Length (Dec): ☐ Auto Compute and add PC
 Password (Hex): ☐ Password ☒ EPC ☐ TID ☐ User
 Buttons: Read, Write, Ext Read, Block, Ext Write

<1> Select one tag then click

Select

, check

Selected tag: E211210100120000000001BA

☐ Password
 ☐ EPC
 ☐ TID
 ☒ User

Select memory to be operation

(1) Read data operation

<1> Input data like

Start address: 0x00 stand in start to read data from first word in the designated storage area, 0x01 stand in start to read data from second word in the designated storage area, and so on.

Read the length: Number of the word to be read. It read 120 words at most. Can not set 0 or 120, otherwise, return the parameter error information.

Access password: From left to right it is the former high-word, low word in the access password. If operation don't need access password, it can be the arbitrary value, but can't lack.

<2> Click Read can see 2014-7-26 14:42:08 Read data success

Read/Write data(Hex) 6666000000000000

Ext Read

is used to read large memory of tag.

(2) Write data operation

<1> Input Write data word address

Start address (Hex): 0000

and Password

Password (Hex): 00000000

Start address: 0x00, the first word of data (from left) is written in address 0x00 of the designated storage area, and so on.

<2> Input data what you want to write like

Read/Write data(Hex) 123456789012

<3> Click  can see

2014-7-26 14:45:10 Write data success

Note: write data can be used to change the EPC number (the method is as follows)

<1> Choose memory , and

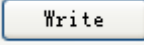
select 

<3> Write EPC number

Read/Write data (Hex)

(EPC

memory Address of tag is 2)

<4> Click  can see

2014-7-26 14:45:10 Write data success

Then query tag EPC, can see

Tag list (No Repeat)			
NO.	EPC	Times	RSSI
1	111122223333444455556666	3	132



is used to Write large memory of tag.

(3) Input erase data address and length

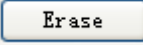
Start address: (Hex):

Length (Dec):

Password: (Hex):

Start address: 0x00, the first word of data (from left) is written in address 0x00 of the designated storage area, and so on.

The difference from write operation: Needn't fill in the data.

<4> Click  can see

2014-7-29 12:07:56 Block erase success

then the data will be set to 0

(4) Write block operation

<1> Input Write data word address

Start address: (Hex): and Password

Password: (Hex):

Start address: 0x00, the first word of data (from left) is written in address 0x00 of the designated storage area, and so on.

<2> Input data what you want to write like

Read/Write data (Hex)

<3> Click can see

2014-7-26 14:45:10 Write data success

4.3 Revise the password

- (1) Select one tag

☒ Selected tag:

Select memory ☒ Password ☐ EPC ☐ TID ☐ User to be operation

- (2) Write access password Password: (Hex):

Access password: default is 00000000, if you have changed to others, you should input right values.

- (3) Revise the access password 12345678: Write

Start address: (Hex):
Read/Write data (Hex) Click

- (4) Revise the kill password 12345678: Write

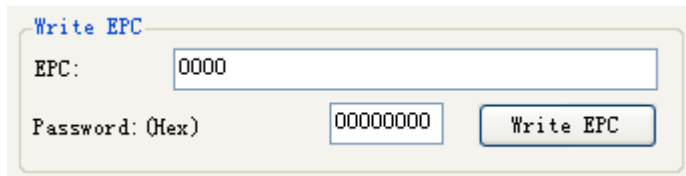
Start address: (Hex):
Read/Write data (Hex)

Click

- (5) If succeed, we can see

2014-7-29 14:10:31 Write data success

4.4 Write EPC



Write EPC

EPC:

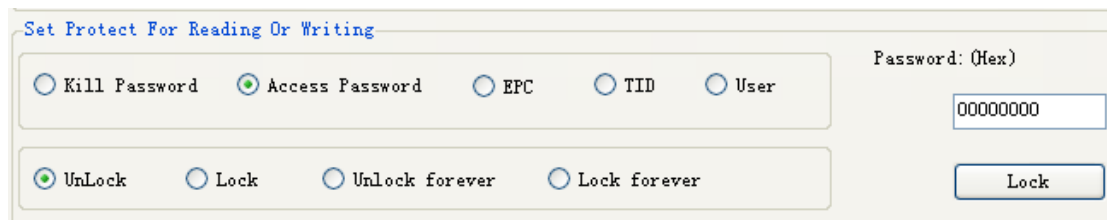
Password: (Hex)

- (1) Write access password (If EPC area of the tag has not set password protection, we can write 8 data arbitrarily)
- (2) Write EPC.

(3) Click . (Random write one tag in the effective range of antenna)

When there are many or EPC pieces of tag in the effective range of antenna, and the access password of one tag is the same as you entered, or EPC area of tag set no password protection, click at a time, random write EPC number of one tag in the effective range of antenna.

4.5 Lock Operation



Set Protect For Reading Or Writing

☐ Kill Password
 ☒ Access Password
 ☐ EPC
 ☐ TID
 ☐ User

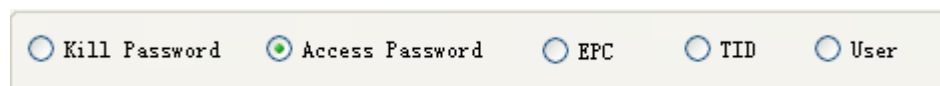
☒ UnLock
 ☐ Lock
 ☐ Unlock forever
 ☐ Lock forever

Password: (Hex)

- (1) Select one tag

☒ Selected tag:

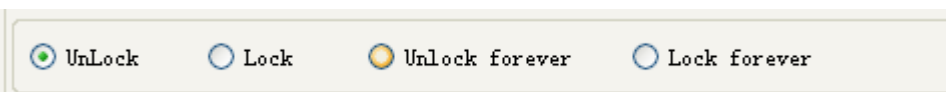
- (2) select memory



☐ Kill Password
 ☒ Access Password
 ☐ EPC
 ☐ TID
 ☐ User

to be operation

- (3) select protect type

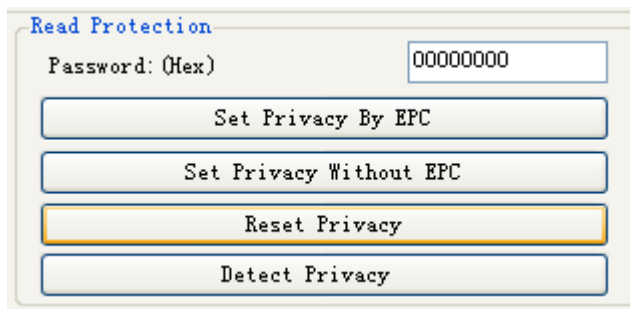


☒ UnLock
 ☐ Lock
 ☐ Unlock forever
 ☐ Lock forever

- (4) Input access password Any storage area in no password protection status still must write the correct access password.(password can not be zero).

(5) Click then, the option is over.

4.6 Read Protection



Read Protection

Password: (Hex)

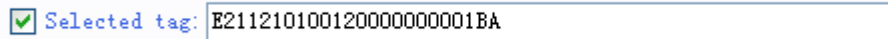
Set Privacy By EPC

Set Privacy Without EPC

Reset Privacy

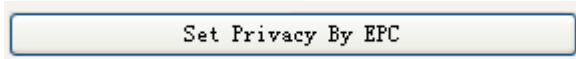
Detect Privacy

Select one tag



☒ Selected tag:

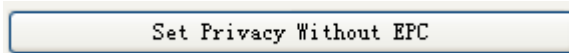
(1) Set Single Tag Read Protection



Set Privacy By EPC

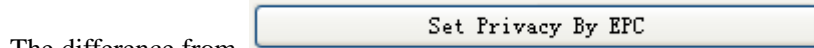
According to EPC number of the tag, setting read protection, make tag unable to be read and written by any order, even if query the tag, it is unable to get EPC number of the tag. Only NXP UCODE EPC G2X tags valid.

(2) Set Single Tag Read Protection without EPC



Set Privacy Without EPC

can set tag read protection in the effective range of antenna

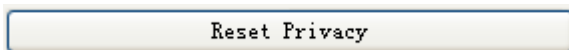


Set Privacy By EPC

The difference from : When there are several tag in the effective range of antenna, reader don't know the tag which the order operate.

If operate several tags, then the access password of the tag had better be the same. Only NXP UCODE EPC G2X tags valid.

(3) Reset Single Tag Read Protection without EPC



Reset Privacy

Use for reset the tag read protection.

Only put a tag in the effective range of antenna. Only NXP UCODE EPC G2X tags valid.

Comments: If tag does not support the read protection setting, it must be unprotected.

(4) Detect Single Tag Read Protection without EPC

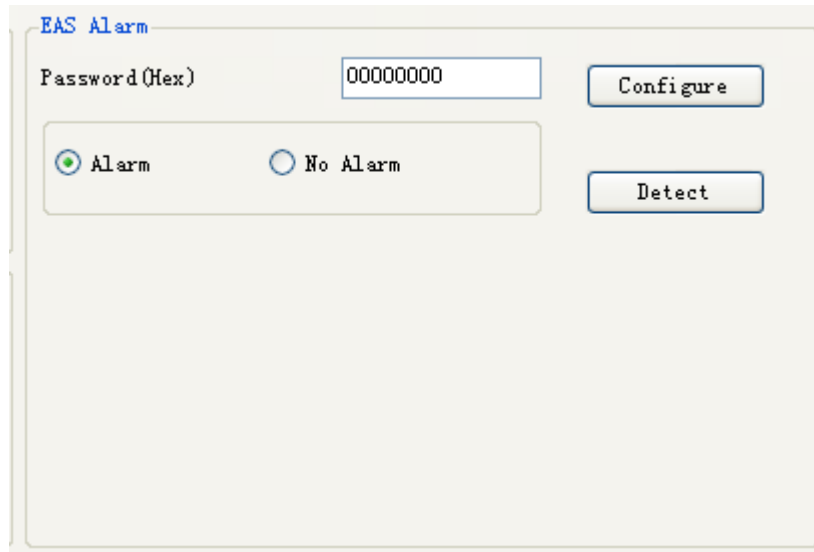


<1> Click

Can't detect tag whether it support read protection order, can only detect single tag whether it is protected. If tag does not support the read protection setting, it must be unprotected.

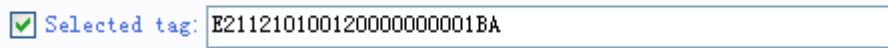
Make sure that there is single tag in the effective range of antenna. Only NXP UCODE EPC G2X tags valid.

4.7 EAS Alarm



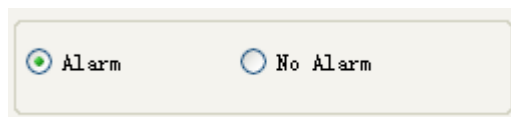
The 'EAS Alarm' window contains a 'Password (Hex)' field with the value '00000000' and a 'Configure' button. Below this is a radio button group with 'Alarm' selected and 'No Alarm' unselected. A 'Detect' button is located to the right of the radio buttons.

Select one tag



A text field showing 'Selected tag: E211210100120000000001BA' with a green checkmark icon to its left.

(1) Alarm setting



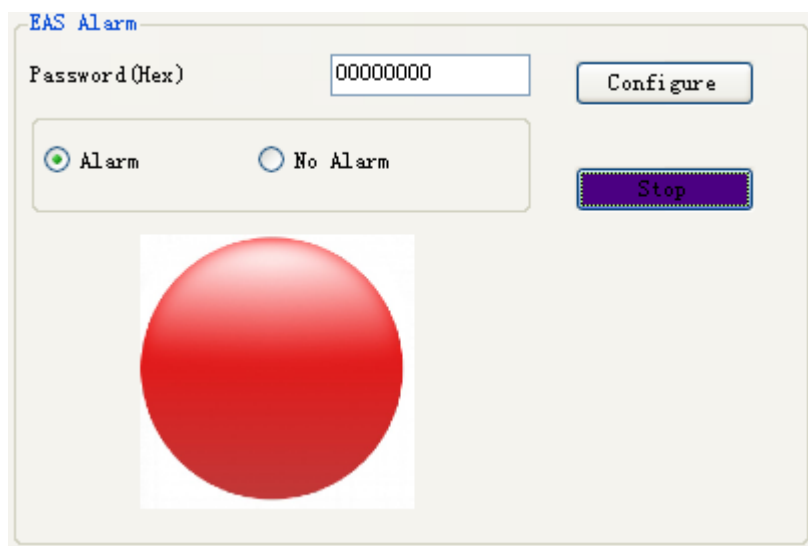
A radio button group with 'Alarm' selected and 'No Alarm' unselected.

<3> Choose alarm

Set or reset the EAS status bit of tag. Only NXP UCODE EPC G2X tags valid.

(2) Check alarm without EPC and access password

<1> Click check alarm



The 'EAS Alarm' window shows the 'Alarm' radio button selected. A large red sphere icon is displayed in the center, indicating an active alarm. A 'Stop' button is visible to the right of the sphere. The 'Password (Hex)' field still shows '00000000' and the 'Configure' button is present.

Check the EAS alarm of tag. Only NXP UCODE EPC G2X tags valid.

<2> EAS alarm:

2014-7-29 14:27:37 EAS Alarm



No EAS alarm:

2014-7-29 14:28:26 No EAS Alarm

4.8 Kill Tag (Permanently Kill)

- (1) Select one tag

☒ Selected tag: E211210100120000000001BA

- (2) Write

Kill Password: (Hex) 12345678

Kill password can not be the whole 0. Otherwise, the tag can not be killed, and the tag return response with parameter error.

- (3) Click **Kill tag**, if success, the tag is killed.

4.9 Mask conditions

Mask

Mask Start Bit Address (Hex): 0000

Mask Bit Length (Hex): 00

Mask Data (Hex): 00

☒ EPC ☐ TID ☐ User ☐ Enable

check enable

Mask

Mask Start Bit Address (Hex): 0000

Mask Bit Length (Hex): 00

Mask Data (Hex): 00

☒ EPC ☐ TID ☐ User ☒ Enable

Only check enable can do mask operation.

For example, EPC mask:

Choose EPC area:

☒ EPC ☐ TID ☐ User

Mask Start Bit Address (Hex): 0020

Mask Bit Length (Hex): 08

Mask Data (Hex): DA

Only the first byte of tag's EPC is DA could response.

For example, TID mask:

<1>Query TID

Can see TID

NO.	EPC	Times	RSST
1	E20034120141F1000DF52E26	8	133

<Mask condition>

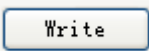
For example change EPC :

<2> select

and

<3> Write

(EPC memory Address of tag Is 2)

<4> Click  can see

2014-7-29 14:39:20 Write data success

5. Buffer operation

(1) Select EPC/TID query. For example: EPC

Select antenna

This demo is used Q=6,S=0 for TID query, S= AUTO for EPC query, Target A to inventory tag, if there are some tag.

Tag Number: 00000000

Speed: 139

Total number: 176

cmd time(ms): 1266

Total time(ms): 1266

Read Buffer

- (2) is used to read tag in the buffer, if there are tag

Tag Number: 00000000

Speed: 139

Total number: 176

cmd time(ms): 1266

Total time(ms): 1266

标签列表:

No.	EPC	Length	ANT	RSSI	Times
1	E20028505003013911909FC0	0C	01	48	02
2	E2002850500301631190A020	0C	01	45	02
3	E20028505003012813508E24	0C	01	4A	02
4	E20028505003010514108506	0C	01	40	02
5	E20028505003013222602C9B	0C	01	4D	02
6	E20028505003025712309D44	0C	01	48	02
7	E20028505003011922602C87	0C	01	4A	02
8	E2002850500300591410844E	0C	01	41	02
9	E20028505003005714108446	0C	01	48	02

Clear Buffer

- (3) is used to clear tag information in the buffer.

Read and Clear Buffer

- (4) is used to read out tag and clear tag in the buffer.

Get Buffer Tag Number

- (5) is used to get

6. Auto real-time-query mode

- (1) on reader work mode setting, you should set reader to

Work Mode

Mode Select: Real-time-inventory mode

Set

- (2) on page "Real time inventory", Click

Start

to get data, if reader read tag, you can see that:

No.	EPC	Length	ANT	RSSI
1	E200285050030041218032DF	12	0001	31
2	E20028505003012014108542	12	0001	3E
3	E200285050030033141083E6	12	0001	42
4	E200285050030082141084AA	12	0001	2D
5	E20028505003014322602CC7	12	0001	33
6	E20028505003014321603475	12	0001	35
7	E20028505003022922602E1F	12	0001	4D
8	E20028505003013222602C9B	12	0001	45
9	E200285050030097141084E6	12	0001	46
10	E200285050030080141084A2	12	0001	38
11	1951CAFE10201010100020101004AAAA	16	0001	28
12	E200285050030081141084A6	12	0001	3D
13	E200285050030025141083C6	12	0001	43
14	E2002850500300111410838E	12	0001	3F
15	E200285050030032141083E2	12	0001	44
16	E20028505003020522602DBF	12	0001	4F
17	E20028505003019512309C4C	12	0001	3B
18	E20028505003013911909FC0	12	0001	46
19	E200285050030158216034B1	12	0001	3D
20	E2002850500301812160350D	12	0001	43
21	E2002850500300431420840F	12	0001	47

7. 18000-6B Test

7.1 Query Tag

Click button start

Start

☒ Single
 ☐ Mutiple

if read tag, we can see:

No.	ID	ANT (4, 3, 2, 1)	Times	RSSI
1	E004000085D94502	0001	1	112

7.2 Read and Write Data Block / Permanently Write Protect Block of Byte

Select one tag from tag list. and double click. Then we can see

Current Selected UID: E004000085D94502

(1) 'Read data' input data for example:

Start address (Hex): 08 Read length (Hex): 08

Start address: 0x00 stand in start to read data from first word in the designated storage area, 0x01 stand in start to read data from second word in the designated storage area, and so on. Range is 8~223. Beyond this range, reader will return parameter error.

Read length: pointed to the number of bytes to read. Range is 1~32. If **Start address** + **Read length** greater than 224, or Read length greater than 32 or is zero, reader will return parameter error information. The high bytes of Read length write in the low address in tag.

,then click

Read

 ,

Read data(Hex): 1212349870000000

If success,

(2)'Write data' for example:

Start address(Hex): 10 Write length(Hex): 04

Write data(Hex): 11223344

Write

Then click ,if success, 2014-9-13 10:12:01 Write data success

Lock address(Hex): 10

Lock

(3) lock The specified byte.

Check lock address(Hex): 10

Check lock

(4) Check The specified byte whether locked.

8. Config TCPIP

8.1 Web config

Operation tool

Search

Clear

Exit

1.Select Operation, click Search.

If device connected.

List of device			
Device Name	Device IP	Device Mac	
NP-RE	192.168.0.250	00.F0.04.03.0F.5B	

Select the device

NP-RE	192.168.0.250	00.F0.04.03.0F.5B
-------	---------------	-------------------


tools Language

IF

Telnet

Ping

2.Select ,default user name and password are admin.



连接到 192.168.0.250

M2M CXT3216

用户名 (U):

密码 (P):

☒ 记住我的密码 (R)

确定 取消

Login.

Home	Summary Information	
Basic Settings	Model Name:	
Network	MAC Address:	00.f0.05.aa.bb.cc
Server	IP Address:	192.168.0.250
Serial Channel	Subnet Mask:	255.255.255.0
Password Settings	Gateway:	192.168.0.1
Power manage	Primary DNS Server:	208.67.220.220
Log Out	Second DNS Server:	208.67.222.222
	Firmware Version:	V1.2.2.R3

(1) Select **Network**, default:

Home

Basic Settings
Network
Server
Serial Channel
Password Settings
Power manage
Log Out

Automatically obtain IP address:
BOOTP: ☐ Disable ☒ Enable
DHCP: ☐ Disable ☒ Enable
AutoIP: ☐ Disable ☒ Enable
DHCP Host Name:

☒ Use the following IP configuration:
IP Address:
Subnet:
Default Gateway:
Preferred DNS server:
Alternate DNS server:

Ethernet Configuration

☒ Auto Negotiate
Speed: ☐ 10Mbps ☒ 100Mbps
Duplex: ☐ Half ☒ Full
MAC Address:

Network Type

☒ Ethernet

Finished click

(2) Select **Serial Channel**,**Serial Channel List**

Serial Channel List

Name	Remark	Uart Baudrate	Ethernet Protocol	Channel Setting	Serial Setting	Connection Setting	Hostlist Setting
Channel1		57600	TCP	Channel	Serial	Connection	Hostlist

Serial
Setting[Serial](#)

Click

Serial Settings

Channel 1

☒ Enable Serial Port

Port Settings

Protocol: FIFO:
 Flow Control: Baud Rate:
 Data Bits: Parity:
 Stop bits:

Pack Control

Max packet length: Merge length:
 Idle Time: (ms) Net Idle Time: (ms)
 Latch: (ms)
 Enable Match Packing: ☐ Match 2 Bytes Sequence: ☐ Yes ☒ No
 Send Frame Only: ☐ Yes ☒ No Match Byte: 0x 0x (Hex)

Finished .click

Connection
Setting

Click

Connection

Connection Settings

Channel 1

Connection Protocol: TCP

Connect Mode

Worked As: Server

Active Connect: None Start Character: 0X61

Endpoint Configuration:

Local Port: 27001 Remote Port: 61

Remote Host: 127.0.0.1

Use Hostlist: ☐ DNS Query Period: 1800

Disconnect Mode

☐ Hard disconnect

Inactivity Timeout: 255 (Secs)

KeepAlive: 10 (Secs)

Submit

Finished click

OK

(4) The end select

Power manage

Power manage

New configurations will NOT take effect until rebooted.

Warning! Both serial and ethernet connections will be dropped and data may be lost while rebooting.

- ☐ Load defaults
- ☐ Load defaults and reboot
- ☐ Reboot
- ☒ Save and reboot

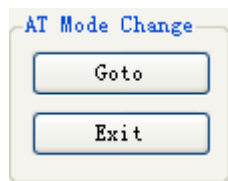
Submit

Click

Submit

, Restart your device.

8.2 Serial port config



1. Serial config IP need to set AT mode , click  ,if succeeded you can see

2014-9-20 15:31:49 Goto AT mode success

Serialport Setting

Protocol FIFO Data Bits

Baud Rate Flow Control

Parity Stop Bits

2.  button can read current property.

Serialport Setting

Protocol FIFO Data Bits

Baud Rate Flow Control

Parity Stop Bits

“Set” button, can set property which you need.

Connection setting

Worked As Active Connect

Remote Host

Remote Port

Local Port

3. “Get” button can read current config.

Connection setting

Worked As Active Connect

Remote Host

Remote Port

Local Port

“Set” button, can set property which you need.

Net work setting

IP Address	<input type="text"/>	Mac Address	<input type="text"/>
Subnet	<input type="text"/>		
Gateway	<input type="text"/>		
Preferred DNS Server	<input type="text"/>		<input type="button" value="Get"/>
Alternate DNS Server	<input type="text"/>		<input type="button" value="Set"/>

4

"Get" button can read current config

Net work setting

IP Address	<input type="text" value="192.168.0.250"/>	Mac Address	<input type="text" value="00.F0.0A.03.C9.F1"/>
Subnet	<input type="text" value="255.255.255.0"/>		
Gateway	<input type="text" value="192.168.0.1"/>		
Preferred DNS Server	<input type="text" value="192.168.0.1"/>		<input type="button" value="Get"/>
Alternate DNS Server	<input type="text" value="192.168.0.1"/>		<input type="button" value="Set"/>

"Set" button, can set property which you need.

5. set to default property.
6. ,if you config succeeded,you need to save and restart module,that you can enable new config
7. Last you need to exit AT mode,click button .