

AsReaderBox Demo

User Guide Ver2.1

Asterisk, Inc.

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1. Basic Parameter Setting

1.1 Connect Reader

Connect Type-	○ TCP/IP
Select Port	Port: COM4 (According to the actually Sel
	P. 1
And baud rat	te Baud rate: STROURDS (default), click
Connect	
,	
lf success o	2014-7-25 14:09:35 Connected COM4@57600bps
11 3000033, 0	
	apportion
<2>TCP/IP co	onnection.
<2>TCP/IP cc Select conne	onnection. ect type
<2>TCP/IP cc Select conne	ect type
<2>TCP/IP cc Select conne Connect Type- O RS232	ect type
<2>TCP/IP cc Select conne Connect Type- RS232	ect type ICF/IF ip address and port:
<2>TCP/IP cc Select conne Connect Type- O RS232 Input reader	ect type ip address and port:
<2>TCP/IP cc Select conne Connect Type- O RS232 Input reader	onnection. ect type ip address and port: 192_168_0_250 Connect
<2>TCP/IP cc Select conne Connect Type- O RS232 Input reader	onnection. ect type ip address and port: 192_168_0_250 Connect Disconnect
<2>TCP/IP cc Select conne Connect Type- ORS232 Input reader TCP/IP IP: Port:	ect type ip address and port: 192_168_0_250 Connect Disconnect
<2>TCP/IP cc Select conne Connect Type- O RS232 Input reader TCP/IP IP: Port:	ect type ICP/IP ip address and port: 192_168_0_250 Connect 27011 Disconnect
<2>TCP/IP cc Select conne Connect Type- ORS232 Input reader TCP/IP IP: Port: Connect Type- ORS232	ect type Image: TCP/IP ip address and port: 192_168_0_250 Connect Disconnect
<2>TCP/IP cc Select conne Connect Type- ORS232 Input reader Input reader Input reader Input reader Click	ect type Image: ICP/IP ip address and port: 192_168_0_250 Connect 27011 Disconnect

	-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 dBm	Set	
(2)			
	set and save power configuration.		
(3)	Chinese band1 Chinese band2	Minfre: 902.75 MHz 💌	Single
	💿 US band 🔿 Korean band 🔿 EU band	Maxfre: 927.25 MHz 💌	Set

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

	Minfre:	902.75 MHz	~	Maxfre:	927.25 MHz	*	Ostrastan
(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.

-RS232/	485 baud rate		
	57600bps	~	Set
(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)	Beep Open	🔿 Close	Set
	Set beep open o	or close	
			Read
(7)	click Read	can get reader	's serial number.

(8)
select output port, click Set, Can install require notification output port.
Buffer EPC/TID length
 (9) ● 128bit ● 496bit Set Get
this function is used to get or set EPC/TID length on buffer tag.
(10) Reader serial number Get
this function is used to get reader's serial number.
(11) Restore default Settings
this function is used to restore default setting of reader.
Get Reader Information

this function is used to get reader's information.

2. Work mode Setting

2.1 Real time inventory Setting:

	-Protocl		_
	⊙ EPCC1-G2	🔘 18000-6B	
(1)			

select read tag type on real-time-query mode.

Pulse	inter	val	
Pulse	Time:	10ms	*

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

Tag Fi	lter—		
Filter	time:	0*1s	~

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

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	5
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

Get Parameter

set parameter with you select condition, get reader parameter on real-time-query mode.

	-Work Mode			
	Mode Select:	Answer mode	*	
(2)			Set	Set reader work mode, if it set to
Aut	o real-time que	ery mod 💙	, we can get dat	a 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

Q: 4 💌 Session:	AUTO 🔽 Max-ScanTime: 20*100m	ns 💙 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.

1	R20028505003020912309C84	4	74			
2	E20028505003012014108542	4	70	=		
3	E20028505003011922602C67	4	75			
4	E20028505003016912309BE4	4	69	-		
5	E200285050030107212037D9	4	68	-		
6	E20028505003013911909FC0	4	66	-		
7	E20028505003024112309D04	4	59	-	Sneed:	end time(ms):
8	E20028505003013811909FBC	4	54			
9	E20028505003017012309BE8	4	79		in a contra c	ii booccocid
10	E20028505003006014208453	4	65			
11	E20028505003004914108426	4	65		Total tag number:	Total=cmd=time(ms):
12	E20028505003007214108482	4	66		0000000	Ci terreniCi
13	E20028505003007314108486	4	72			
14	E20028505003019512309C4C	4	75	_		
15	E200285050030033141083E6	4	72	_		
16	E200285050030080141084A2	4	69	~		

Mem: TID	*	Addr:	0002			1
Password:000	00000	Len:	04 .cl	ick	Start	.can see:



Tag lis	t (No Repeat				Tog Number	
No.	EPC	Data	Times	RSSI		
	E20028505003017012309BE8	0133F1000DF59BE7		63		
	E200285050030035141083EE	0140F1000DF583ED	1	56		
	E20028505003011411909F5C	013CF1000DF59F5B	1	74		
	7D597D59665B604E00000000	0131F1000DF52CA2	1	80		
;	E20028505003019512309C4C	012EF1000DF59C4B	1	67		
	E20028505003010011909F24	0130F1000DF59F23	1	74		
	E2002850500301631190A020	0149F1000DF5A01F	1	73	Speed: cmd time(ms):	
3	E200285050030112218033FB	013AF1000DF533FA	1	67		or
)	E200285050030167216034D5	0135F1000DF534D4	1	72		Ŭ.
10	E200285050030096141084E2	012EF1000DF584E1	1	63		
1	E200285050030019142083AF	0133F1000DF583AE	1	65	Total tag number: Total=cmd=time(m:	9:
12	E20028505003017212309BF0	013AF1000DF59BEF	1	62		1
13	2959295911540A4E00000000	0134F1000DF52CC6	1	70		1.1
4	E200285050030160216034B9	0133F1000DF534B8	1	73		
15	E20028505003019312309C44	0131F1000DF59C43	1	67		
16	E200285050030033141083E6	013BF1000DF583E5	1	58		

4.2 Read Data, Write Data, Block Erase

-Kead Data / Write Data / Block Er	ase						
Start address: (Hex):	0000	Read/Write data(Hex) OO	00				
Length (Dec) :	4	🗌 Auto Compute and add	PC 0800		Read	Write	Ext Read
Password: (Hex):	00000000	O Password 💿 EPC	🔿 TID 🛛 🔿 User		Block	Block	Ext Write
<1> Select one ta Select, cl Selected tag: [Select memory operation	E2112101 E2200000 F7000000 E2012051 C2000000 E2012051 E1030000 E2012051 E1030000 B1030000 Password	0012000000001BA 0002000000001368 000000000000000AFB 00000000000000176 00000000000000153 00000000000001AC 00000000000014D6	D 💽 Vs	er		to be	n click
(1) Read data o	peration						
	Sta	rt address:(Hex):		0000			
	Len	gth(Dec):		4			
<1> Input da	Pas ata like	sword:(Hex):		0000000	0		

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) 666660000000000
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 Decoword
		and Password
Password: (Hex):	0000000	

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 Write 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			
○ Password			
select Auto Compute and add PC			
<3>Write EPC number			



	Read/Write data(Hex) 111122223333444455556666				
	(EPC memory A	ddress of tag is 2)			
	<4> Click Write	can see			
	2014-7-26 14:45::	10 Write data success			
-	Then query tag EP	C, can see			
Tag 1	ist (No Repeat				
NO.	EPC		Tim	es RSSI	
4	111100000000000000000000000000000000000	55556666	3	132	
1	1111222233334444				

(3) Input erase data address and length

Start address:(Hex):	0000
Length (Dec) :	4
Password: (Hex):	0000000

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	Erase	can see
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_

-

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 a	ddress	
Start address: (Hex):	0000	and Password
Password: (Hex):	0000000	

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

AsReader			
<3> Click rite can see			
2014-7-26 14:45:10 Write data success			

4.3 Revise the password

(1) Select one tag

(1)	
	✓ Selected tag: E21121010012000000001BA
	Select memory • Password • EPC • TID • User to be operation
(2)	Write access password: (Hex): 00000000
	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): 0002
	Read/Write data(Hex) 12345678
	Click Write .
(4)	Revise the kill password 12345678: Write
	Start address: (Hex): 0000
	Read/Write data(Hex) 12345678
	Click

(5) If succeed, we can see

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

4.4 Write EPC

-Write EPC-			
EPC:	0000		
Password: (H	ex)	00000000	Write EPC

- (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 Write EPC . (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 **Write EPC** 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	5 1.0r 1
0	Kill Password 💿 Access Password 🔿 EPC 🔷 TID 🔿 User	Password: (Hex)
$\begin{tabular}{ l l l l l l l l l l l l l l l l l l l$	UnLock 🔿 Lock 🔿 Unlock forever 🔿 Lock forever	Lock
(1)	Select one tag	
	Selected tag: E21121010012000000001BA	
(2) s	select memory	
	○ Kill Password	🔿 User
	to be operation	
(3)	select protect type	
	⊙ UnLock ◯ Lock ◯ Unlock forever ◯ Lock forev	er

(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 Lock then, the option is over.

4.6 Read Protection

Read Protection Password: (Hex)	00000000	
Set Priva	ey By EPC	
Set Privacy	Without EPC	
Reset Privacy		
Detect Privacy		

Select one tag

🔽 Selected ta;	C E21121010012000000001BA
----------------	---------------------------

(1) Set Single Tag Read Protection



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	Lise 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	Detect Privacy	

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

Password(Hex)	0000000	Configure
⊙ Alarm	🔘 No Alarm	Detect
Select one ta	ıg	
Select one ta	9 d tag: E2112101001200000	000001BA
Select one ta	19 d tag: E2112101001200000	000001BA

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

assword(Hex)	0000000	Configure
⊙ Alarm	🚫 No Alarm	Stop

Check the EAS alarm of tag. Only NXP UCODE EPC G2X tags valid. <2> EAS alarm:



No EAS alarm:

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

4.8 Kill Tag (Permanently Kill)

(1) Select one tag



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

	© EFC	0 115	🔘 User	Enable
Mask Bit Length(Hex): 00	Mask Data(Hex): 00			
heck enable				
Mask				
Mask Start Bit Address(Hex): 0000	• EPC	◯ TID	🔘 Vser	✓ Enable
Mask Bit Length (Hex): 00	Mask Data(Hex): 00			
Only check enable For example, EPC Choose EPC area:	can do mask operation。 mask:			
⊙ EPC	🔿 TID		🔘 Vser	
Mask Start Bit Addr	ress(Hex): 0020			
Mask Bit Length(Hex): 08			
_				
Mask Data(Hex): D.	Å			
Mask Data(Hex): D. Only the first byte o	A of tag's EPC is DA could res	sponse.		
Mask Data(Hex): D. Only the first byte o For example, TID n	₄ of tag's EPC is DA could res nask:	sponse.		
Mask Data(Hex): D. Only the first byte o For example, TID n	▲ of tag's EPC is DA could res nask:	sponse.		
Mask Data(Hex): D. Only the first byte o For example, TID n	A of tag's EPC is DA could res nask: Start	Sponse.	• TID	
Mask Data (Hex):	A of tag's EPC is DA could res nask: Start	sponse. O epc	⊙ TID	
Mask Data (Hex) : D. Only the first byte o For example, TID n <1>Query TID Can see TID	A of tag's EPC is DA could res nask: Start	Sponse.	• TID	RST
Mask Data (Hex): D. Only the first byte of For example, TID n <1>Query TID Can see TID NO. EPC 1 E200341201	a of tag's EPC is DA could res nask: Start	sponse. O epc	TID	RSSI
Mask Data (Hex): D. Only the first byte of For example, TID n <1>Query TID Can see TID NO. EFC 1 E200341201 Mask condition>	A of tag's EPC is DA could res nask: Start	sponse.	© TID Times 8	RSSI 133
Mask Data (Hex) : D. Only the first byte of For example, TID n <1>Query TID Can see TID NO. EPC 1 E200341201 Mask condition>	a of tag's EPC is DA could res nask: Start	sponse.	TID	RSSI 133
Mask Data (Hex) : D. Only the first byte of For example, TID n <1>Query TID Can see TID NO. EPC 1 E200341201 Mask condition>	A of tag's EPC is DA could res nask: Start 141F1000DF52E26	sponse. C EPC	© TID Times 8	RSSI 133

<2> s	select				
	O Password	💿 epc	🔿 TID	🔿 Vser	and

	<u>uto Compute and add PC</u>		
	Start address:(Hex):	0002	
	Length (Dec) :	4	
<3> Write	Password: (Hex):	0000000	(EPC memory
Address of	f tag Is 2)		
Read/Wr:	ite data(Hex) E0550141F1000DF52E26123	4	
<4> Click	Write can see		

5. Buffer operation

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

Start		● EPC	⊖ TID		
Select antenna	ANT1	ANT2	ANT3	ANT4	

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:	Speed: cmd time(ms):	Total number: Total time(ms):
(2)	Read Buffer is used to read	d tag in the buffer, if there	are tag



标签列表:	Tag Hunber:	Speed: cmd time(ns):	39 56	Total number: Total time(ms):	878 1268	
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		OC	01	40	02
5	E20028505003013222602C9B		OC	01	4D	02
6	E20028505003025712309D44		OC	01	48	02
7	E20028505003011922602C67		OC	01	4A	02
8	E2002850500300591410844E		0C	01	41	02
9	E20028505003005714108446		0C	01	48	02 💌



is used to clear tag information in the buffer.



is used to read out tag and clear tag in the buffer.

	Get Buffer Tag Number	
(4)		is used to get

6. Auto real-time-query mode

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



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



to get data, if reader read tag,

you can see that:



	No.	EPC	Length	ANT	RSSI	~
Stop	1	E200285050030041218032DF	12	0001	31	
	2	E20028505003012014108542	12	0001	ЗE	
Data	3	E200285050030033141083E6	12	0001	42	
	4	E200285050030082141084AA	12	0001	20	
lag Number:	5	E20028505003014322602CC7	12	0001	33	
	6	E20028505003014321603475	12	0001	35	
	7	E20028505003022922602E1F	12	0001	4D	
	8	E20028505003013222602C9B	12	0001	45	
Total Time(ms):	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	ЗF	
	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	E00400085D94502	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 VID:	E004000085D94502
(1) 'Read data' input c	lata 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 $1\sim32$. If <u>Start</u> address + <u>Read length</u> 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 , If success,
Read data(Hex): 1212349870000000
(2)'Write data' for example:
Start address (Hex): 10 Write length (Hex): 04
Write data(Hex): 11223344
Then click Write, if
SUCCESS, 2014-9-13 10:12:01 Write data success
(3) Lock address (Hex): 10 Lock lock The specifie byte.
(5) Check lock address (Hex): 10 Check lock Check The
specified byte whether locked.

8. Config TCPIP

8.1 Web config

		Operation	too	
		<u>S</u> earch		
		<u>C</u> lear		
1.Select Operation ,	click	<u>E</u> xit		Search.

If device connected.

Г	List of device			
	Device Name	Device IP	Device Mac	
	NP-RE	192.168.0.250	00.F0.0A.03.0F.5B	
~				

Select the device

NP-RE	192.168.0.250	00.F0.0A.03.0F.5B
P		



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

连接到 192.16	58.0.250	? ×	
M2M CXT3216			
用户名 (1):	🕵 admin	•	
密码(P):	****		
	✓ 记住我的密码(B)		
	✔ 记住我的密码 (图)		
	☑ 记住我的密码 (L) 确定 取)	肖	
		Login.	
ome	☑ 记任我的密码 (图) 确定 取 Summary Information	肖 Login.	
OME Basic Settings	✓ 记任我的密码 (图) 确定 取 Summary Information Model Name:	肖 Login.	
OME Basic Settings Network	✓ 记任我的密码 函 确定 取 Summary Information Model Name: MAC Address:	Login.	
OME Basic Settings Network Server Server	✓ 记任我的密码 函 确定 取 Summary Information Model Name: MAC Address: IP Address: IP Address:	し の 00.f0.05.aa.bb.cc 192.168.0.250	
OME Basic Settings Network Server Serial Channel Password Settings	✓ 记任我的密码 函 确定 取 Summary Information Model Name: MAC Address: IP Address: IP Address: Subnet Mask:	ELogin. Do.f0.05.aa.bb.cc 192.168.0.250 255.255.0	
OME Basic Settings Network Server Serial Channel Password Settings Power manage	✓ 记任我的密码 函 确定 取 Summary Information Model Name: MAC Address: IP Address: Subnet Mask: Gateway:	Login. 00.f0.05.aa.bb.cc 192.168.0.250 255.255.0 192.168.0.1	
OME Basic Settings Network Server Serial Channel Password Settings Power manage Log Out	✓ 记任我的密码 函 确定 取 Summary Information Model Name: MAC Address: IP Address: IP Address: Subnet Mask: Gateway: Primary DNS Server:	Login. 00.f0.05.aa.bb.cc 192.168.0.250 255.255.255.0 192.168.0.1 208.67.220.220	
OME Basic Settings Network Server Serial Channel Password Settings Power manage Log Out	✓ 记任我的密码 函 确定 取 Summary Information Model Name: MAC Address: IP Address: Subnet Mask: Gateway: Primary DNS Server: Second DNS Server:	Login. 00.f0.05.aa.bb.cc 192.168.0.250 255.255.255.0 192.168.0.1 208.67.220.220 208.67.222.222	

(1) Select Network , default:

Iome	○ Automatically obtain ID_address: 搜索 算制
Basic Settings	BOOTP: Disable
Network	DHCP: O Disable • Enable
Serial Channel	AutoIP: Oisable Enable
Password Settings	DHCP Host Name:
Power manage Log Out	⊙ Use the following IP configuration:
	IP Address: 192.168.0.250
	Subnet: 255.255.255.0
	Default Gateway: 192.168.0.1
	Preferred DNS server: 208.67.220.220
	Alternate DNS server: 208.67.222.222
	Ethernet Configuration
	✓ Auto Negotiate
	Sneed: 10Mbns 100Mbns
	Duplex: Half Full
	MAC Address: 00 f0 05 as bh cc
	Network
	Туре
	☑ Ethernet
	Submit
Finished click Submit]
(2) Select Serial C	hannel
(2) Select Serial C Serial Channel List	hannel
(2) Select Serial C Serial Channel List	hannel
(2) Select Serial C Serial Channel List	'hannel
(2) Select Serial C Serial Channel List	'hannel
(2) Select Serial C Serial Channel List Serial Channel List	bannel Uart Ethernet Channel Serial Connection Hostlist

Refresh

Serial Setting Click

Serial Settings			
Channel 1			
☑ Enable Serial Port Port Settings			
Protocol: RS232 V Flow Control: None V Data Bits: 8 V Stop bits: 1 V	FIFO: Baud Rate: Parity:	8 v 57600 v None v	
Pack Control			
Max packet length:	1460	Merge length:	1
Idle Time:	0 (ms)	Net Idle Time:	5 (ms)
Latch:	10 (ms)		
Enable Match Packing:		Match 2 Bytes Seque	nce: ○Yes ⊙No
Send Frame Only:	⊙Yes ⊙No	Match Byte:	0x 31 0x 32 (Hex)
Submit			
Finished .click Submi	t		
Connection Setting			
Click Connection	_		

Connection Settings

Channel 1	
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	
(4) The end select Power manag	e

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

|--|

Exit