

The image displays two screenshots of the Identium UHF Reader configuration interface. The left sidebar contains a navigation menu with options: Middleware status, Online listing, Offline list, Fault list, Device details, Inventory list, Data parameter configuration (selected), Parameter configuration, Remote command, Parameter batch modification, and Parameter upgrade.

**Top Screenshot: Inventory and label operating parameters**

Parameter	Value
Inventory cycle	150
Inventory cycle interval	10
Working antenna	1
Inventory mode	not specified
Operation timeout (seconds)	1000
Antenna address	0
Access password	Please enter, it must be a hexadecimal string of length 8, not necessary.
<b>Attach Bank data</b>	
BANK	<input type="radio"/> Bank0 <input type="radio"/> Bank1 <input type="radio"/> Bank2 <input type="radio"/> Bank3
Initial address	Please enter, in blocks
Read list data	please enter
Whether to enable	<input type="checkbox"/> enable
<b>Tag filtering</b>	
BANK	<input type="radio"/> Bank1 <input type="radio"/> Bank2 <input type="radio"/> Bank3
Initial address	Please enter, in bits
Filter mask	Please enter, it must be a binary string
Match options	<input type="radio"/> match <input type="radio"/> Mismatch
Whether to enable	<input type="checkbox"/> 启用

**Bottom Screenshot: RF parameters and Label data**

Parameter	Value
<b>RF parameters</b>	
Work area	not specified
Frequency point	Each frequency point is specified by an underline
Single antenna dwell time	0
RF frequency scan	not specified
<b>Label data</b>	
Antenna only	not specified
Bank data is unique	not specified
Record maximum RSSI	not specified
<b>RFID serial port parameters</b>	
Modbus address	2
baud rate	115200
data bits	8
Stop bit	1
check	No checksum
<b>RFID serial port parameters</b>	
Modbus address	2
baud rate	115200
data bits	8
Stop bit	1
check	No checksum
<b>Radio information parameters</b>	
Maximum label length	62
event queue length	60

## 1. Parameters that must be configured in advance

**Working antenna:** This is a parameter that must be configured. If only a single antenna is used, directly fill in the antenna number, such as 1; if multiple antennas are used, each antenna is directly separated by an underscore, such as antennas 1, 2, and 3. Should be filled in 1\_2\_3

## 2. Optional common configuration parameters

**Inventory cycle:** The total duration of a reader-writer inventory is: inventory cycle x number of antennas. Example: If antennas 1 and 2 are used and the inventory period is 150ms, the total inventory time is 150x2=300ms. Please adjust according to the actual situation on site. For reading a small number of tags (within 10 tags), generally use the default value. If the number of tags is large, you can increase this parameter value appropriately.



[illegible]

The one marked in red is the total number of tags, the one marked in green is the antenna ID, the one marked in blue is the EPC byte length, the one marked in purple is the EPC code, and the one marked in orange is filled with all 0s

For using the modbus function through the serial port, please pay attention to setting the correct serial port 485 address. The default address of both serial ports is 2; for using the modbus function through TCP/IP, the port number is 8080.

Tag filtering

Enable filtering

Attach bank data

BANK

Bank0 Bank1 Bank2 Bank3

initial address 0

Number of blocks read 6

Whether to enable ☒ enable

Additional data Check data return items ☒

ModuleReaderManager

Reader parameters

Label operations

RF testing

Signaling debugging

cabinet application

Label temperature and LED

other functions

Software version

Firmware update

Connection address settings

connection address

192.168.1.100

▼

Equipment type

Single port Card reading machine

▼

connect

disconnect

Antenna settings

ant1

ant2

ant3

ant4

Select all

Antenna power settings

Inventory parameters

Additional data is unique

ISO/IEC 15938

Antenna only

Stop at specified time (s)

0

Inventory mode

Normal mode

▼

Inventory parameters

start

stop

Export

Clear

Number of tags: 1

Number of reads: 18

Time taken (ms): 1776

Number	Number of reads	EPC ID	Antenna additional data
1	18	AAAAABCD0000000000000003	1 TID:E20034120132F500005712DD

Modbus Poll - Mbpoll1

Document(E) Edit(E) Connection(C) Setting(S) Function(U) Display(D) View(V) Window(W) Help(H)

05 06 15 16 17 22 23 TC

Mbpoll1

Tx = 1: Err = 0: ID = 2: F = 03: SR = 1000ms (DISABLED)

	Name	OB00	Name
0		(??) 0x0001	
1		(??) 0x010C	
2		(??) 0xAAAA	
3		(??) 0xABCD	
4		(??) 0x0000	
5		(??) 0x0000	
6		(??) 0x0000	
7		(??) 0x0003	
8		(??) 0x000C	
9		(??) 0xE200	
A		(4?) 0x3412	
B		(?2) 0x0132	
C		(??) 0xF500	
D		(?W) 0x0057	
E		(??) 0x12DD	
F		(??) 0x0000	