

		V3.0	
	TD210		22

TD210 DTU
V3.0



Xiamen Top-Iot Technology Co., Ltd.



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DTU (Data Transfer Unit)

IP

IP

SMS

2G

2G

2G(GPRS)

2G(CDMA 1X)

3G

3G(TD-SCDMA)

3G(WCDMA)

3G(EVDO)

4G

4G

4G

4G

/

DTU

SMS/2G/3G/4G

SMS/2G/3G/4G

DTU

TD210

DTU

2.1

TD210

DTU

32

GPRS

CDMA 1X

3G/4G

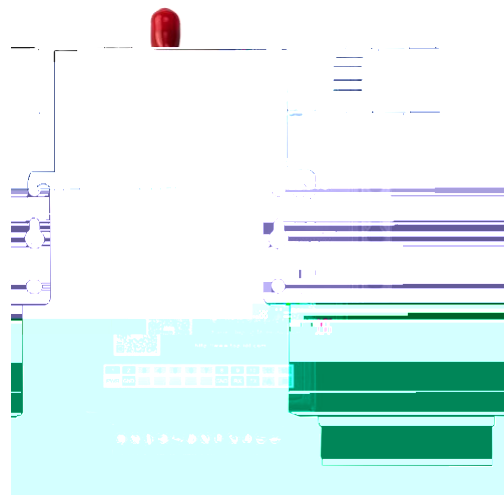
3G/4G

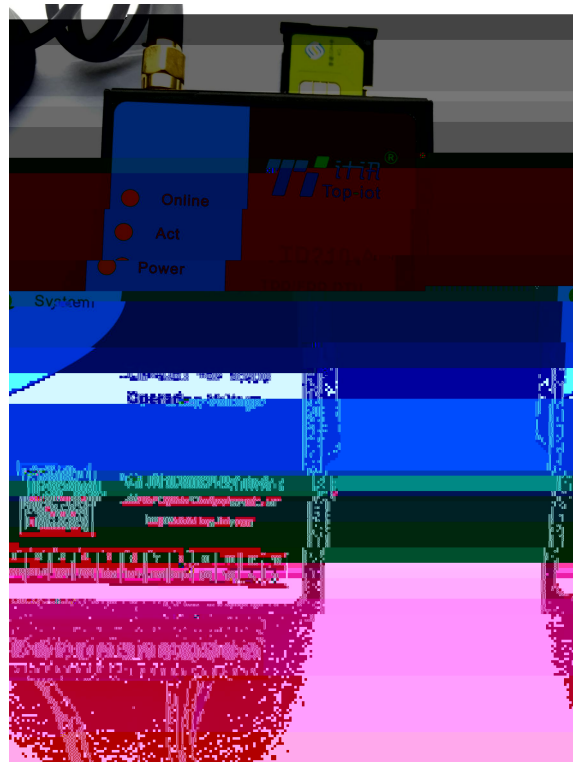
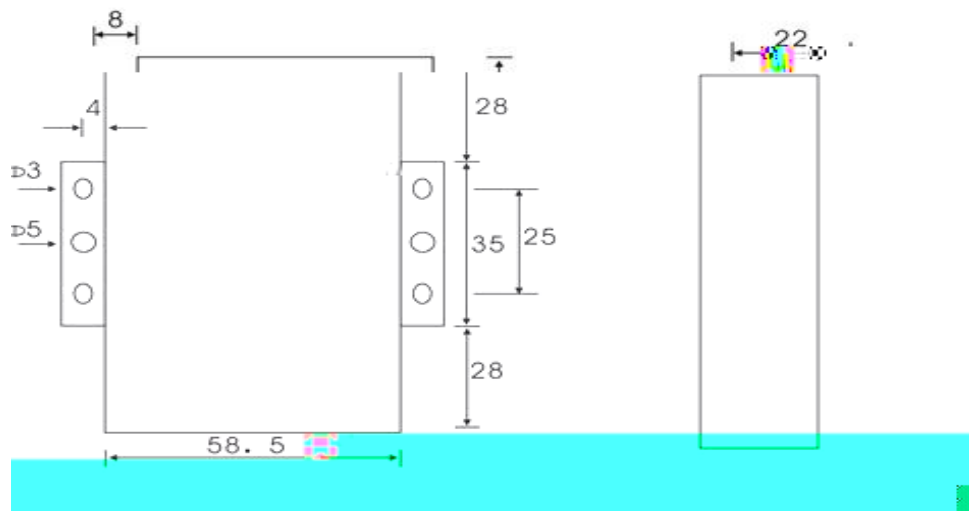
3G/4G

RS232

RS485

TTL





3.2

3.2.1

1	PWR		
2	GND		
3	I O1	GPI O 3. 3V	3. 3V TTL RX
4	I O2	GPI O 3. 3V	3. 3V TTL TX
5	I O3	GPI O 3. 3V	
6	ADC1	4- 20mA 0- 5V	RS232 RI
7	ADC2	4- 20mA 0- 5V	
8	GND		
9	RX	RS232	
10	TX	RS232	
11	A	RS485	
12	B	RS485	

TD210

28-16AVG

12VDC/0. 5A

RS232

DB9

	DB9
	3
	2
	5

3. 2 2

TD210

SMA

SMA

3.2.3 SIM

SIM

SIM

SIM

SIM

SIM

SIM

SIM

3.3

TD210

12VDC/500mA

5~35V

300mV

35V

4W

12VDC/0.5A

3.4

TD210

" Onl i ne" " ACT" " Power" " System

Onl i ne

ACT

Power

System

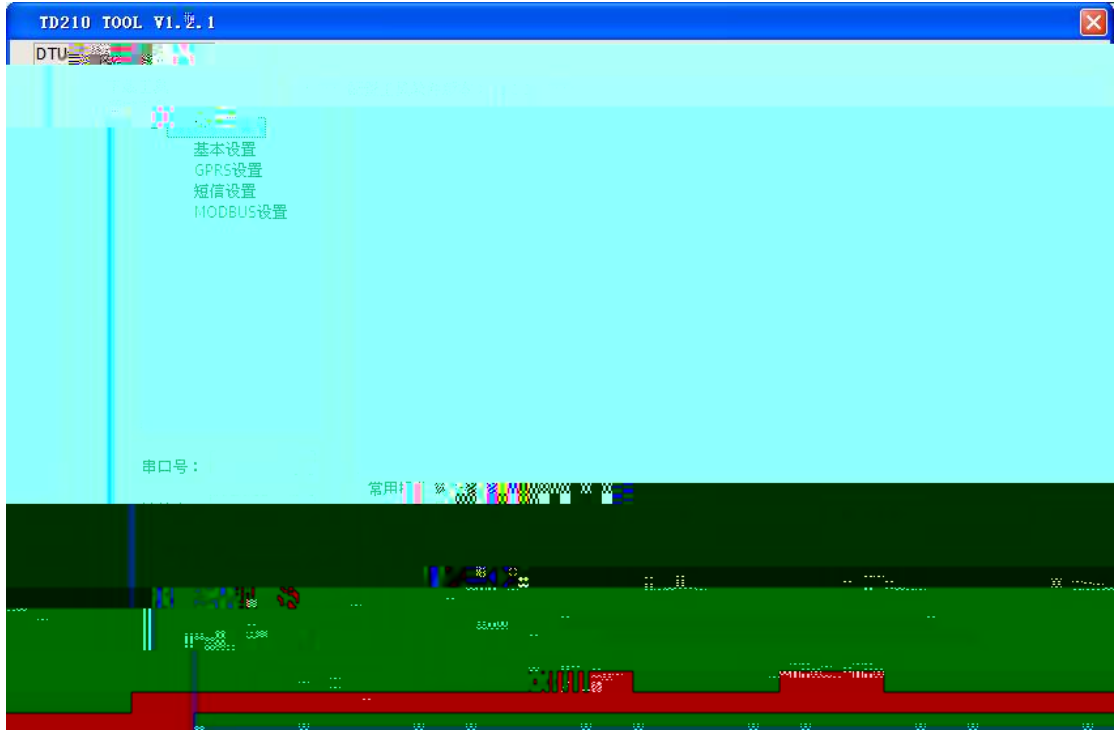
TD210 DTU

RS232

TD210.exe

" DTU

"



重新加载

TD210 DTU

4.1

保存参数

载入参数

清除日志

设备版本

设备信号

出厂配置

重启设备

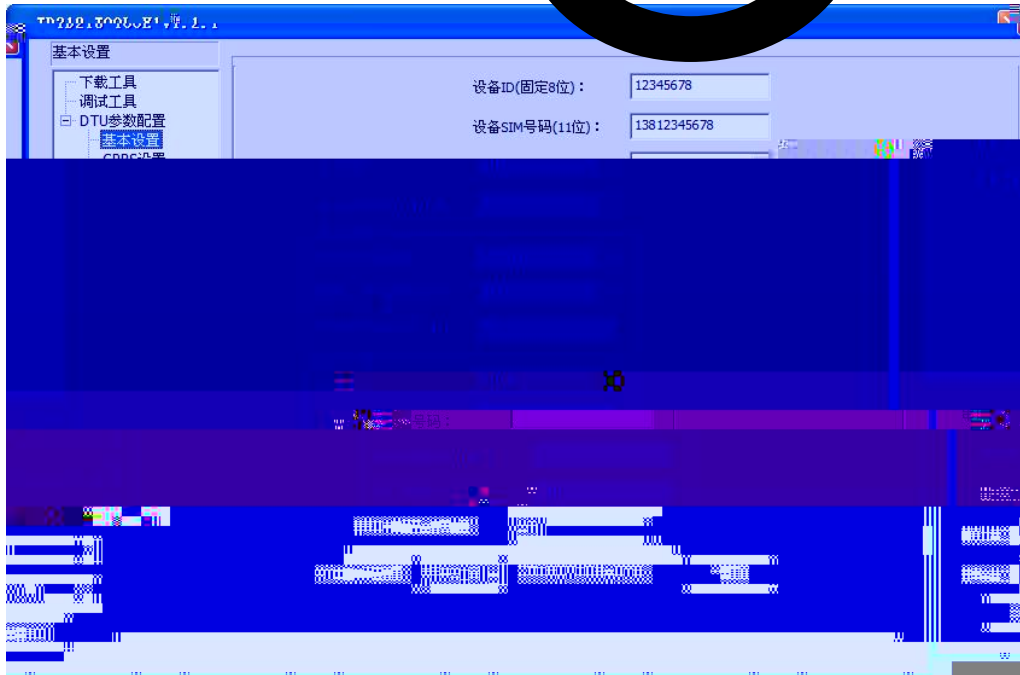
保存配置到文件

浏览

从配置文件配置

" " " "

4.2



ID:		ID	8
SIM	SIM	11	
DTU	GPRS	SM\$	
MODEM(AT)	
I MODEM(MODEM	---)
2(RS232/RS485)	
1(RS232/RS485)	
0()		
	300 600 1200 2400 4800 9600 14400 19200 38400 56000		
57600 115200			
	8N1(8	1)	
	8E1(8	1	
	8		



7N1(7 1)

DTU

115200 20ms 9600 50ms 1200 200ms

AUTO

SM&D

CTRL

DATA

MIXD SM&D, CTRL, DATA

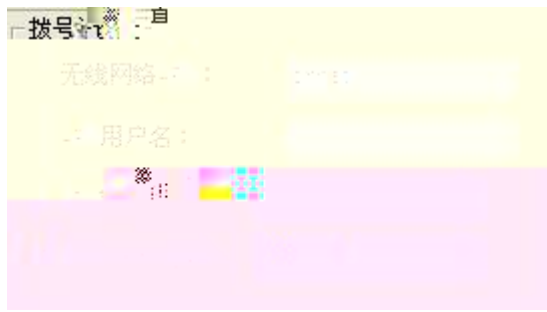
CTRL MIXD TD210

SM&D MIXD TD210 " DI AL"

DATA MIXD TD210 RS232/RS485

DATA MIXD TD210 RS232/RS485

RTC



APN

APN

APN

APN

APN

	APN		
TD210-G	cmet() uni net()		*99**1#
TD210-C		card	#777
TD210-W	3gnet		*99#
TD210-T	cmet		*98*1#
TD210-E		card	#777
TD210-A			

TCP 60 UDP 31

Y

N

TD210

Y,

N

" GPRS " CTCP CUDP

```

( ) 60
" GPRS " CTCP CUDP
( ) 60
Y
N
" GPRS " FTCP Y Oxfd
Oxfd Oxed Oxfe Oxfd Oxee N
TCP TCP
" " 1

```

重拨号次数(2-65535) :	1000
重拨号间隔(0-65535秒) :	30

```

" "
" "
ECHO 0 ECHO
1-65535 60
PPP
TTL TTL
TTL

```

4.4



5

15

()

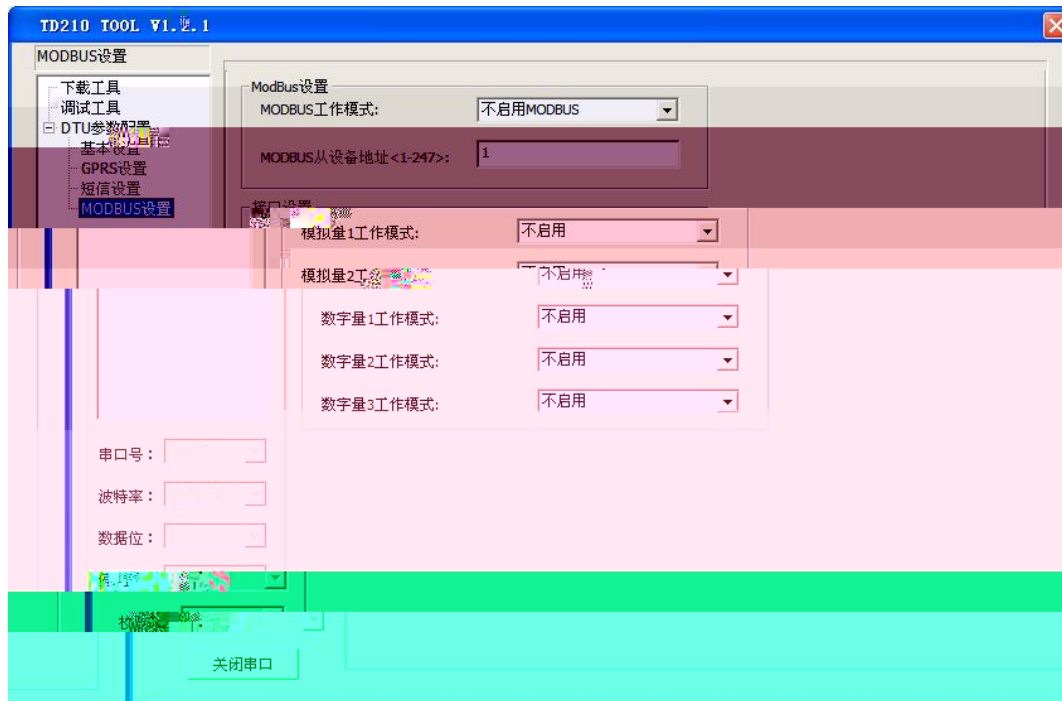
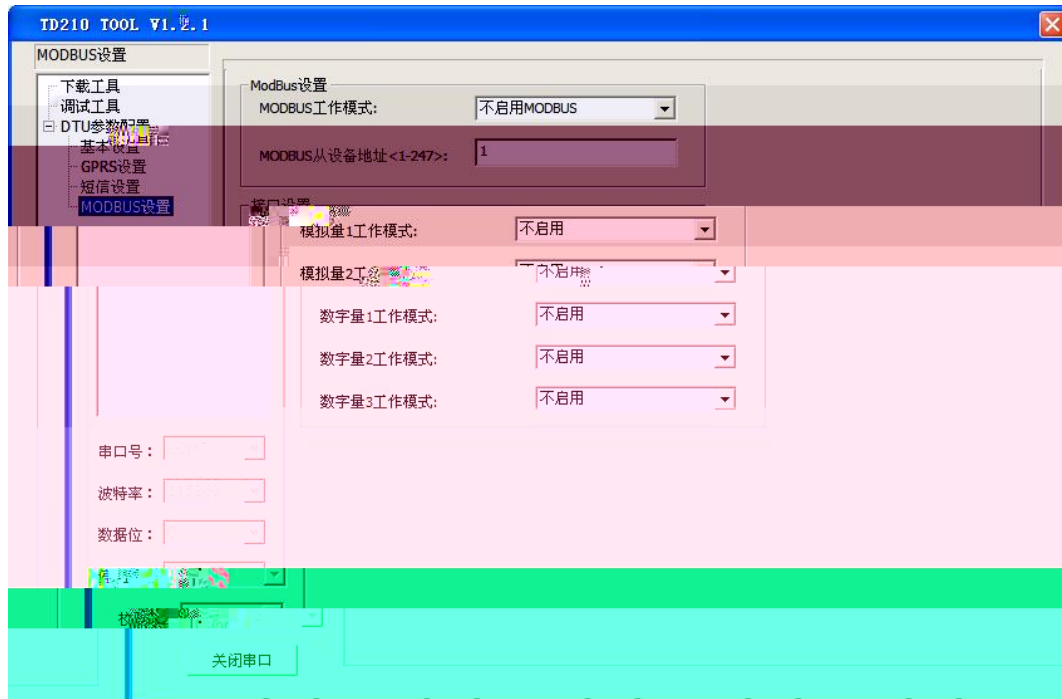
HEX

HEX

0x00-0xff

()

4.5 MODBUS



MODBUS

MODBUS

RTU

123456,

121. 204. 221. 34

9999

AT

	AT+DEBUG=XX	XX 0 1 2
	AT+I PR=XX	XX 300 115200
	AT+SERMODE=XX	XX 8N1, 8E1, 8O1, 7N1, 7E1, 7O1
	AT+BYTEI NT=XX	XX ms
	AT+ACTI =XX	XX AUTO SMD() CTRL() DATA() MIXD()
	AT+CTRLNO=XX	XX
	AT+SMDPSWD=XX	XX
	AT+DONPSWD=XX	XX
	AT+DOFFPSWD=XX	XX
GPRS	AT+MODE=XX	XX FTCP, HTCP, CTCP, NUDP, CUDP, HUDP
	AT+SVCNT=XX	XX
	AT+I PAD=XX	XX I P
	AT+PORT=XX	XX
	AT+I PSEC=XX	XX
	AT+PTSEC=XX	XX
	AT+I PAD1=XX	XX
	AT+PORT1=XX	XX
	AT+I PAD2=XX	XX
	AT+PORT2=XX	XX
	AT+I PAD3=XX	XX
	AT+PORT3=XX	XX
	AT+I PAD4=XX	XX
	AT+PORT4=XX	XX
	AT+DNSSVR=XX	XX



	AT+DNSSV2=XX	XX	
	AT+DNSSVR1=XX	XX	2
	AT+DNSSVR2=XX	XX	3
	AT+DNSSVR3=XX	XX	4
	AT+DNSSVR4=XX	XX	5
APN	AT+APN=XX	XX	

1	AT+DI OVRKMODE1=XX	1 2
2	AT+DI OVRKMODE2=XX	XX 0 1 2
3	AT+DI OVRKMODE3=XX	XX 0 1 2

1 Power

DTU 5-35V

2 Online

1. SIM ?
2. IP ?
3. ?
4. SIM GPRS ?

3

1. RS232/RS485 DTU
2. RS232/RS485 PC PC
3. DTU PC



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18 6