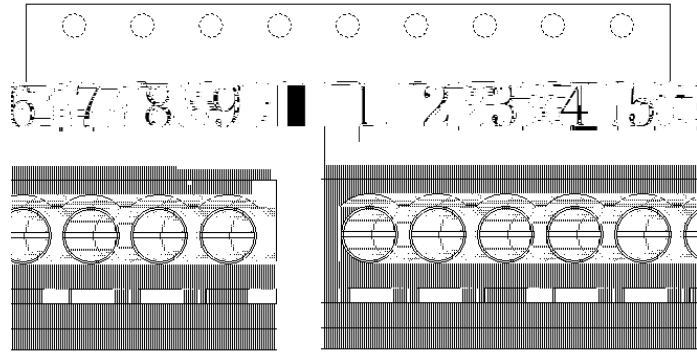


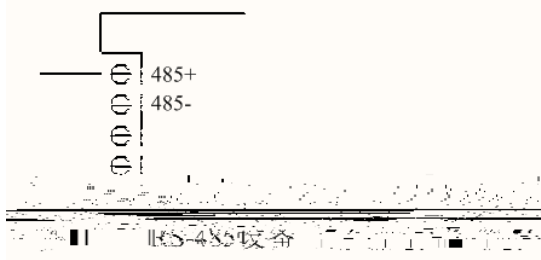
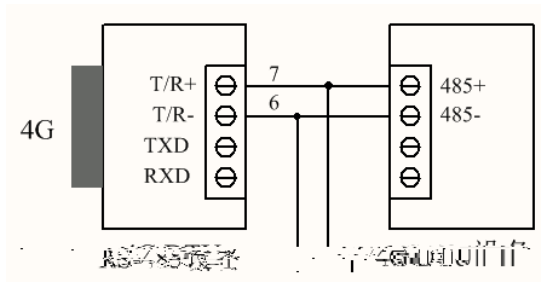
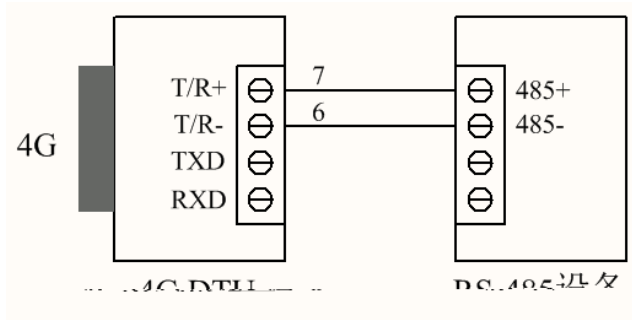
# **4G DTU**



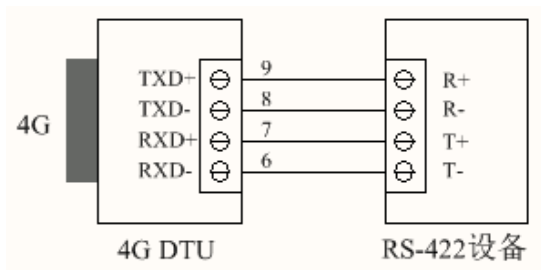
CPU	Cortex-A7 1.2GHz, ARMv7. Total 192 MIPS
FLASH	128MB
RAM	128MB

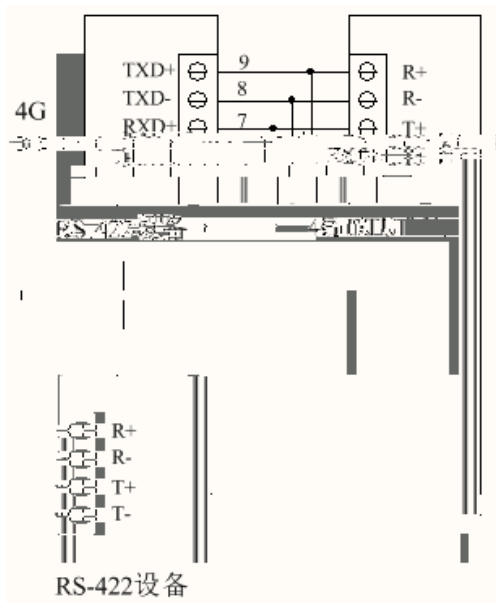


3.81-9pin

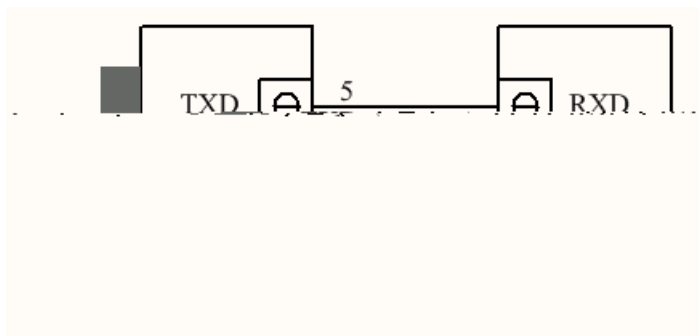


### RS422





( RS232



DTU

RS232

DTU

**AT**

AT	
AT+REBOOT	
AT+CSQ	
AT+SYSINFO	
AT+CLEAR	

AT+UARTSPEED	/		
AT+UARTPARITY	/		
AT+UARTDATA	/		
AT+UARTSTOP	/		
AT+UARTFT	/		
AT+UARTFL	/		
AT+SOCKTYPE	/		
AT+SOCKSERVER	/	IP	
AT+SOCKPORT	/		
AT+SOCKEN	/	SOCK	B

{CR}{LF}OK{CR}{LF}

### AT+ENTM

¥

AT+ENTM{CR}  
{CR}{LF}OK{CR}{LF}

### AT+CSQ

¥

AT+CSQ{CR}  
{CR}{LF}+CSQ: rssi , , ber{CR}{LF}  
{CR}{LF}OK{CR}{LF}

### AT+SYSINFO

¥

AT+SYSINFO{CR}  
{CR}{LF}+SYSINFO: state, net{CR}{LF}  
{CR}{LF}OK{CR}{LF}

state

0	
1	
2	

net

No Network	
GSM	GSM



## AT+VER

¥

```
AT+VER{CR}
{CR}{LF}+VER: versi on{CR}{LF}
{CR}{LF}OK{CR}{LF}
```

## AT+IMEI

IMEI

¥

```
AT+IMEI {CR}
{CR}{LF}+IMEI : code{CR}{LF}
{CR}{LF}OK{CR}{LF}
```

## AT+UARTSPEED

#

¥

```
AT+UARTSPEED{CR}
{CR}{LF}+UARTSPEED: uartspeed{CR}{LF}
{CR}{LF}OK{CR}{LF}
```

¥

```
AT+UARTSPEED=UARTSPEED{CR}
{CR}{LF}OK{CR}{LF}
```

UARTSPEED

```
1200
2400
4800
9600
19200
38400
57600
115200
230400
460800
921600
```

## AT+UARTPARITY

#

¥

```
AT+UARTPARITY{CR}
{CR}{LF}+UARTPARITY: type{CR}{LF}
{CR}{LF}OK{CR}{LF}
```

¥

```
AT+UARTPARITY=type{CR}
{CR}{LF}OK{CR}{LF}
```

type

n: None

e: Even

o: Odd

## AT+UARTDATA

#

¥

```
AT+UARTDATA{CR}
{CR}{LF}+UARTDATA: type{CR}{LF}
{CR}{LF}OK{CR}{LF}
```

¥

```
AT+UARTDATA=type{CR}
{CR}{LF}OK{CR}{LF}
```

type

7

8

## AT+UARTSTOP

#

¥

```
AT+UARTSTOP{CR}
{CR}{LF}+UARTSTOP: type{CR}{LF}
{CR}{LF}OK{CR}{LF}
```

¥

```
AT+UARTSTOP=type{CR}
{CR}{LF}OK{CR}{LF}
```

type

1

2

## AT+UARTFT

#

¥

```
AT+UARTFT{CR}
{CR}{LF}+UARTFT: val ue{CR}{LF}
{CR}{LF}OK{CR}{LF}
```

¥

```
AT+UARTFT=val ue{CR}
{CR}{LF}OK{CR}{LF}
```

val ue

50<=value<=60000

AT+UARTFL

#

¥

```
AT+UARTFL{CR}
{CR}{LF}+UARTFL: val ue{CR}{LF}
{CR}{LF}OK{CR}{LF}
```

¥

```
AT+UARTFL=val ue{CR}
{CR}{LF}OK{CR}{LF}
```

val ue

1<=value<=1024

AT+SOCKTYPE

#

UDP/TCP

¥

```
AT+SOCKTYPE{CR}
{CR}{LF}+SOCKTYPE: type{CR}{LF}
{CR}{LF}OK{CR}{LF}
```

¥

```
AT+SOCKTYPE=type{CR}
{CR}{LF}OK{CR}{LF}
```

type

TCP

UDP

AT+SOCKSERVER

# IP

¥

```
AT+SOCKSERVER{CR}
{CR}{LF}+SOCKSERVER: i paddr{CR}{LF}
{CR}{LF}OK{CR}{LF}
```

¥

```
AT+SOCKSERVER=i paddr{CR}
{CR}{LF}OK{CR}{LF}
```

i paddr

ip

AT+SOCKPORT

#

¥

```
AT+SOCKPORT{CR}
{CR}{LF}+SOCKPORT: port{CR}{LF}
{CR}{LF}OK{CR}{LF}
```

¥

```
AT+SOCKPORT=port{CR}
{CR}{LF}OK{CR}{LF}
```

port

AT+SOCKEN

# SOCK

¥

```
AT+SOCKEN{CR}
{CR}{LF}+SOCKEN: status{CR}{LF}
{CR}{LF}OK{CR}{LF}
```

¥

```
AT+SOCKEN=status{CR}
{CR}{LF}OK{CR}{LF}
```

status

ON	
OFF	

AT+SOCKLK

SOCK

¥

AT+SOCKLK{CR}

AT+REGDT{CR}  
{CR}{LF}+REGDT: info{CR}{LF}  
{CR}{LF}OK{CR}{LF}

¥

AT+REGDT=info{CR}  
{CR}{LF}OK{CR}{LF}

info

AT+REGSND

#

¥

AT+REGSND{CR}  
{CR}{LF}+REGSND: type{CR}{LF}  
{CR}{LF}OK{CR}{LF}

¥

AT+REGSND=type{CR}  
{CR}{LF}OK{CR}{LF}

type

---

| ONCE\_REG

{CR}{LF}+HEARTEN: status{CR}{LF}  
{CR}{LF}OK{CR}{LF}

¥

AT+HEARTEN=status{CR}  
{CR}{LF}OK{CR}{LF}

status

ON	
OFF	

## AT+HEARSND

#

¥

AT+HEARSND{CR}  
{CR}{LF}+HEARSND: type{CR}{LF}  
{CR}{LF}OK{CR}{LF}

¥

AT+HEARSND=type{CR}  
{CR}{LF}OK{CR}{LF}

type

NET	
SERIAL_PORT	

## AT+HEARTTM

#

¥

AT+HEARTTM{CR}  
{CR}{LF}+HEARTTM: time{CR}{LF}  
{CR}{LF}OK{CR}{LF}

¥

AT+HEARTTM=time {CR}  
{CR}{LF}OK{CR}{LF}

time            30

## AT+HEARTDT

#

¥

AT+HEARTDT{CR}

```
{CR}{LF}+HEARTDT:i nfo{CR}{LF}
{CR}{LF}OK{CR}{LF}
```

¥

```
AT+HEARTDT=i nfo {CR}
{CR}{LF}OK{CR}{LF}}
```

i nfo

heart\_data

AT+HEARTFMT

#

¥

```
AT+HEARTFMT{CR}
{CR}{LF}+HEARTFMT: type{CR}{LF}
{CR}{LF}OK{CR}{LF}
```

type

heart\_data: 08421BA002DDTJ002 Tc 0 -15359 T244559 0 01 T8TE6.59 TD 1E6C1539 0 01C4>T6079 TD AS66{C



{CR}{LF}OK{CR}{LF}

time 30 [1,36000]

### AT+GPSTYPE

# GPS

¥

AT+GPSTYPE{CR}  
{CR}{LF}+GPSTYPE: type{CR}{LF}  
{CR}{LF}OK{CR}{LF}

¥

AT+GPSTYPE=type{CR}  
{CR}{LF}OK{CR}{LF}

type

0	GGA
1	RMC
2	GGA+RMC

### AT+LBSSEN

# LBS

¥

AT+LBSSEN{CR}  
{CR}{LF}+LBSSEN: status{CR}{LF}  
{CR}{LF}OK{CR}{LF}

¥

AT+LBSSEN=status{CR}  
{CR}{LF}OK{CR}{LF}

status

ON	
OFF	

