

# CWT5111 GPRS RTU



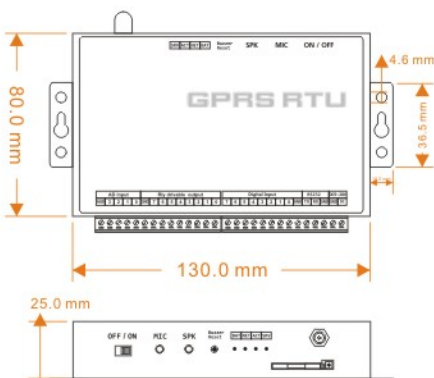
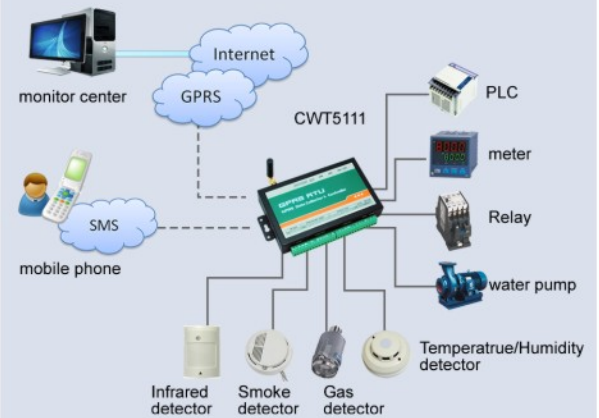
Reliable GPRS connection providing fast and cost-effective long-range wireless communication

Monitor 8 digital inputs  
Monitor 4 analog inputs  
Control 8 outputs

## Specifications

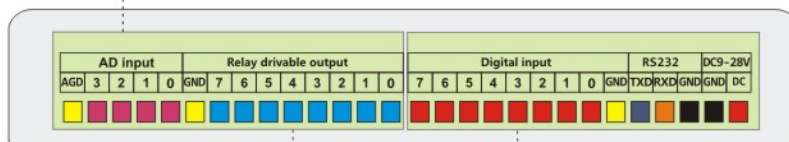
DC Power supply	12-24V DC (Standard adapter: DC 12V/1.5A)
Power consumption	12V input Max. 150mA/Average 50mA
Frequency range	Quad-frequency 900/1800/850/1900MHz
SIM Card	Supporting 3V&1.8V SIM Card
Antenna	50 Ω SMA Antenna interface
Communication interface	RS-232C
Working temperature	-30°C ~ +70°C
Working humidity	Relative humidity 95%
Digital input	8 Digital inputs (dry contact)
Analog input	4 Analog inputs (4~20mA or 0~5V)
Output	8 Drivable relay outputs (open-collector outputs)
Output drive voltage	Equal to input DC voltage
Output drive power	Drive voltage ≤35V, drive current ≤500mA
Audio interface	3.5mm audio in and audio out
Exterior dimension	130×80×25mm
Weight	370G

## Applications



### 4 AD inputs features

- Can preset normal range for AD input, upload data to server when above the normal range.
- Every AD input current values can be query via command
- Configurable for the SMS alarm and recover message
- Configurable for alarm ensure time
- Configurable for alarm delay time
- Configurable for offset and gain



### 8 relay drivable outputs features

- Multiple output type can be preset
- Remote On/Off/Pulse outputs via GPRS
- Configurable for pulse time
- Remote query outputs status
- Outputs can be activated by alarm
- Outputs can be activated by call
- Outputs can be activated on schedule

### 8 digital inputs features

- Upload data when inputs are triggered
- Upload input status on schedule
- Can be reuse as pulse counter input
- SMS alarm when inputs are triggered
- NO or NC type can be preset
- Configurable for alarm and recover sms
- Remote query inputs status

## Advance features

- Adopted highly integrated industrial CPU
- Reliable performance with built-in double watchdog
- Low maintenance, 24×7 operation
- Audio in and audio out can connect speak and mic
- Temperature sensor (optional)
- Internal battery and providing power cut off alarm
- Easy used GUI configure software

## How to setup

- Can be setup by free PC software via serial port
- Can be setup by phone number via sms commands

## Where does GPRS RTU upload data to

- Support connects 4 servers, the servers must connect internet and have static public IP address or Dynamic Domain name
- GPRS Transmission base on TCP/IP
- Support modbus TCP protocol or CWT\_IO protocol

## When does GPRS RTU upload data

- GPRS RTU start up
- Digital inputs are triggered
- AD input above preset rang
- the change of AD input above preset value
- On schedule(day/minute/second)
- Query by server

## SMS features

- Preset 10 phone numbers(can be distributed authority)
- Time stamped in alarm or recover messages
- Support remote setting and control via sms commands