

» CWT5002-1 MODBUS GPRS RTU



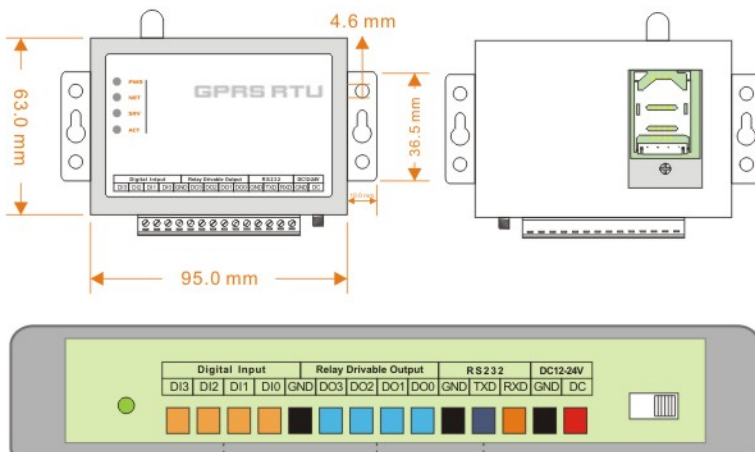
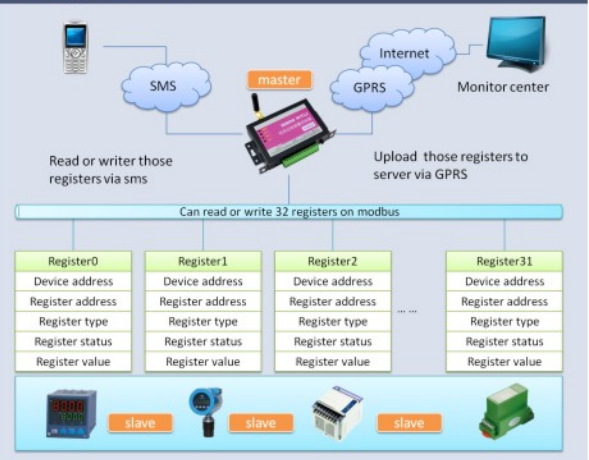
Reliable GPRS connection providing fast and cost-effective long-range wireless communication

Monitor 4 digital inputs
Control 4 outputs
Monitor modbus device via GPRS & SMS

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, MODBUS RTU(master or slave)
Working temperature	-30°C ~ +70°C
Working humidity	Relative humidity 95%
Digital input	4 Digital inputs (dry contact)
Output	4 Drivable relay outputs (open-collector outputs)
Output drive voltage	Equal to input DC voltage
Output drive power	Drive voltage ≤35V, drive current ≤500mA
Exterior dimension	95×63×25mm
Weight	256G

Applications



4 digital inputs features

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

4 Outputs features

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

Modbus features

- Modbus RTU protocol on Rs232, can monitor modbus slave device
- Read or write 32 registers (coil or input registers) on Modbus via GPRS or SMS
- Upload data to server when coils are triggered
- Can preset normal range for input registers, upload data to server when above the normal range
- Support SMS operation (read or write registers)

Advance features

- Support ring call when alarm
- Temperature sensor (optional)
- Internal battery and providing power cut off alarm
- Easy used GUI configure software
- Adopted highly integrated industrial CPU
- Reliable performance with built-in double watchdog
- Low maintenance, 24×7 operation

How to setup

- Can be setup by free PC software via serial port
- Can be setup by cell phone 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
- Modbus alarm
- 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