

***This UHF GPRS data transmission terminal is widely used in unattended remote monitoring and data acquisition.***

This UHF wireless GPRS/SMS data transmission terminal is embedded with a highly reliable ARM7 CPU. Its design ensures high quality data transmission over a wide temperature range, vibration and electromagnetic conditions.

It features EMC an anti-jamming design and is widely used in unattended device operation, remote monitoring, remote data acquisition, and remote AMR. It can also be applied to electric power automatic systems, industrial monitoring, traffic management, atmospheric monitoring or pipeline network monitoring.



**Key Features**

- ✓ Built-in 32 bit ARM7-CPU with real-time operating system
- ✓ EMC anti-jamming
- ✓ Plug and play
- ✓ Remotely modifies DTU parameters
- ✓ Built-in Watchdog chip with multiple Reset mechanisms
- ✓ Three working modes: DTU (default), Modem, SMS Modem
- ✓ Advanced and strict data communication protocol with data correction and encryption functions
- ✓ Automatic IP registry
- ✓ Remote operation
- ✓ IO switching value function
- ✓ Supports special APN, data center
- ✓ Supports fixed IP and DDNS.

## Technical Specifications

|   |  |                 |
|---|--|-----------------|
| Operating Frequency                                 | GSM 850 MHz/EGSM 900 MHz/DCS 1800 MHz/PCS 1900 MHz   |                 |
| GPRS Multi-slot Class 12                            |  |                 |
| GPRS Mobile Station Class B                         |  |                 |
| GPRS Coding: CS1 to CS4                             |  |                 |
| Output Power  | Class 4 (2W) at GSM 850 MHz and GSM 900 MHz<br>Class 1 (1W) at DCS 1800 MHz and PCS 1900 MHz   |                 |
| Interface   | RS232/RS485  |                 |
| Sensitivity   | <-107 dBm (typ.) at GSM850 MHz<br><-107 dBm (typ.) at GSM900 MHz<br><-107 dBm (typ.) at DCS1800 MHz<br><-107 dBm (typ.) at PCS1900 MHz |                 |
| Compatible standard AT command (GSM07.05 and 07.07) |  |                 |
| Support extend command                              |  |                 |
| Support SMS, USSD, CSD                              |  |                 |
| Embedded TCP/IP Protocol                            |  |                 |
| Power Supply  | 5 V to 24 V DC   |                 |
| Consumption   | Standby  | < 25 mA at 5 V  |
|   | Communicating  | < 125 mA at 5 V |
|   | Peak point current   | 1.5 A at 5 V    |
| Dimension   | 82 mm (L) * 59 mm (W) * 25 mm (H)  |                 |
| Working Temperature                                 | -40 °C to 80 °C  |                 |
| Storage Temperature                                 | -45 °C to 125 °C   |                 |
| Relative Humidity                                   | 20 % to 95 % (No Condensation)   |                 |



Celebrating Over 20 Years of Innovation

*Product Overview*

**UHF GPRS Data Transmission Terminal**

**491030**



**GAO Group**

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