

Cyber GT-GPRS and GT-CDMA G200B Hardware Specification

<p>Strong Sending Setting</p> <ul style="list-style-type: none">■ Send by time interval, run mode and stop mode can set different sending time interval■ Sending position by distance vehicle travels to save■ Sending position and I/O status by external I/O status change■ Support over speed sending■ Support polling from server and web pages■ Send by sockets or by email , user selectable <p>I/O Functions</p> <ul style="list-style-type: none">■ works with relay to provide external power signal control■ Provide multiple I/O input · for external device status input■ Provide multiple I/O output · to trigger external hardware■ All the I/O pin values can be remote controlled by web■ Provide RS232 for external device input to server database■ Support I/O status change notify feature <p>GSM/GPRS Modem Sharing Support</p> <ul style="list-style-type: none">■ Provide mobile terminal port for use PDA as mobile terminal for message exchange■ Provide RS232 for used with barcode scanner and card reader to send external data directly by TCP/IP to server database■ All the barcode and card reader data can be query instantly the same time from web■ Provide multi-tasking O.S kernel for working both GPS and external device to communicate with server <p>Easy Installation and Fault Tolerance Design</p> <ul style="list-style-type: none">■ Single power input , range from 8-35VDC,suitable for any kind of vehicle and marine install■ Solid state design, fault tolerance support ,system can handle exception condition ,suit for extreme weather and road condition ,continue operates several years online without maintain ,compact and power saving modes support <p>LCD/KeyPad support fleet dispatching</p> <ul style="list-style-type: none">■ Support LCD/KeyPad to support two way message , 16x2 Text LCD , 6 command button input , backlight support■ Action button on remote command,suitable for fleet dispatching■ Emergency button supported■ Build in memory to roll and scroll history message data	<p>GPRS/GSM/CDMA2000 Support</p> <ul style="list-style-type: none">■ GSM/GPRS Dual Mode Support in one unit , user switchable■ Pure GPRS or pure GSM Supported■ GPRS feature support remote activation by SMS■ Both GPRS or GSM mode support remote activation■ User send Command from TCP/IP can switch device to pure GSM Mode■ Support any GPRS/GSM operator , user can set any APN and password■ Support worldwide various radio band support<ul style="list-style-type: none">◆ Dual Band 900/1800◆ TriBand 900/1800 /1900(North South American Support)■ Support GSM SMS /GSM Data Call and GSM Voice■ Support resend indicator to detect radio blank spot area <p>Secure and Reliable TCP/IP Links</p> <ul style="list-style-type: none">■ Work with any private IP · Public IP network architecture■ Support multiple sockets to connect to multiple server at the same time■ The sockets can be UDP or TCP connection , user selectable■ Support TCP online modes , connection recovery features■ Provide data error detection and recovery and support traffic control functions■ Provide two way polling and response function■ All the vehicle unit parameters can be setting from remote web or by console port of GT-GPRS <p>GPS Map + Live Video CAM Support</p> <ul style="list-style-type: none">■ Support GT-CAM Live Video CAM■ Send Real time video Image to Server by TCP/IP■ Support polling , time interval sending ,real time sending■ Concurrent working between GPS sending and image sending■ Image Resolution<ul style="list-style-type: none">◆ 320x240,160x120,128x96◆ JPEG Image, realtime compression to reduce air traffic <p>Email Support</p> <ul style="list-style-type: none">■ Support status email send out feature ,POP3/SMTP Server■ Adjustable email send and get interval■ Support remote configure by send email from any email software <p>GPS Track Recording</p> <ul style="list-style-type: none">■ Support large internal flash memory to record track■ Resend data when goes out of GPRS radio coverage area■ Support remote download from flash memory select by time range■ No data lost due to power failure
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General Specification

Hardware OS: multitasking ,realtime

Software : GlobalTrack WebMap or GlobalTrack Desktop

Power Input : 8~35V DC

Power Consumption : < 200ma

Digital I/O Ports:

- Input: :7 port , 5V Level,3 input with pull up and Include 4 PWM (Pulse Width Modulation) input , to support four temperature sensors at the same time
- Output:: 7 port , 5V Level

Analog Precision Measurement (Support in G300 model only)

- ADC: 4 port , 12 bit resolution , 0-55V support
- DAC: 2 port , 12 bit resolution, 0-5V

Temperature Sensor Measurement

- Support up to 4 external temperature at the same time
- Range -50 to 130C , 0.5C precision
- Water proof ,also support measure liquid temperature

RS232 and Modem Sharing

- 4 port support
- Port A: Console for PC Terminal or LCD/KeyPad
- Port B: GPS Receiver
- Port C: GPRS Modem
- Port D:connect to any external device: barcode scanner , card reader , LCD/KeyPad display , GT-CAM etc

GSM/GPRS Modem Specification

- Radio Band (depends on installed region)
 - Dual Band
 - Quad Band (North/South American Support)
- RF Power:<2W
- SIM CARD :3V
- GSM voice and SMS support
- Transmit Distance : no limit , by internet and radio coverage

GPS Engine Specification

General:

- Frequency: L1 Frequency (1575.42 MHz)
- C/A Code: 1.023 MHz chipping rate
- Channels: 16 parallel channel

Accuracy:

- Position: 5~15meters
- Velocity: 1 meter/second
- Time: 1 point per second

Datum: WGS-84

Pictures



Data Interface :

- TCP/IP/UDP Socket
- GSM Data , GSM Voice , GSM SMS
- Support two TCP sockets on at the same time with two different server to support fault tolerance
- support keep 24 hours online
- auto reconnect when connection down
- auto data recording when under radio blank spot
- auto resend when inside radio coverage
- two way acknowledge to ensure data delivery
- POP3/SMTP email support

Protocol Supported : TCP/UDP/DNS/POP3/SMTP

Output Data : Name,X,Y, Speed, heading, time, status, event code , I/O value

Internal Storages:

- support both data storage both for GPS and Application port data

Temperature Ranges : -25°C to +70°C

Dimension

- world smallest compact size 120x35x56(mm), include housing
- weight 175g

Accessories

- GT-CAM Live Video Cam Support
- GPS antenna
- GPRS antenna
- Power cable
- Temperature sensor
- Phone Cable
- PC Configure cable
- Barcode Scanner
- Card Reader/Card Scanner
- LCD/KeyPad Terminal

