**GPSClient Message Format**

Message format is in fixed length 1024 bytes with these following fields:

|  |  |  |
| --- | --- | --- |
| Field Name | Length | Description |
| Header | 2 bytes | Message header, this is a fixed 2 bytes value 0xA0F9 |
| Checksum | 2 bytes | Standard CRC-16 checksum value, calculated from timestamp field to the end of message |
| Timestamp | 4 bytes | Standard UNIX localtime timestamp of sender |
| Unused Data | 1016 bytes | Currently unused or reserved for future use |

The above format can be represented into a C structure as follow:

struct tgr\_msg {

unsigned short hdr; /\* header \*/

unsigned short crc; /\* crc16 \*/

unsigned int tsp; /\* timestamp \*/

char \_\_reserved[1016]; /\* reserved \*/

};

This data type can be found in gpsclient source as **msg.h** file