

Protocol

The device ready , try to connect server will send the data to register

Message Body Length that's means: message body data length

0x0100 Register

7E01000021013345678906000F002C012F373031313142534A2D4D37422030303030303001D4C1423838383838B47E
7E header
0100 main signaling
0021 Message Body Length
013345678906 Tracker SN number (the same with you set on the platform. 11bytes)
000F Serial Code(number)
002C provincial ID
012F city ID
3730313131 Manufacturer ID
42534A2D4D374220 terminal type
30303030303030 terminal ID
01 plate color
D4C1423838383838 plate string
B4 checksum
7E Ending

0x8100 : Platform Registration Reply :

7E8100000D0133456789060000000F00010203040506070809100D7E

7E header
8100 main signaling
000D Message Body Length
013345678906 Tracker SN number (the same with u set on the platform.11bytes)
0000 Serial Code(number)
000F Response serial number
00 result
01020304050607080910 Authentication number
0D checksum
7E Ending

0102 terminal authentication

7E0102000A0138335042790014010203040506070809106D7E

7E header
0102 main signaling
000A Message Body Length
013833504279 Tracker SN number (the same with u set on the platform.11bytes)

0014 Serial Code(number)
01020304050607080910 Authentication number
6D checksum
7E Ending

0x8001 : Platform Common Answer
7E80010005013150284894 00010002010200107E

7E header
8001 main signaling
0005 Message Body Length
013150284894 Tracker SN number (the same with u set on the platform.11bytes)
0001 Serial Code(number)
0002 Response serial number
0102 ResponseID
00 result
10 checksum
7E Ending

0200 location data
7E 02 00 00 2A 01 38 33 50 17 44 00 19 00 00 00 00 00 00 00 C2 01 59 7F A8 06 CC 01 58 00 80 00 00 00 08 15 08 18 07 21
21 01 04 00 00 02 F5 02 02 00 00 03 02 00 00 9F 7E

7E Header
02 00 main signaling
00 2A Message Body Length (start Alarm bit , end of xor checksum, not include Checksum)
01 38 33 50 17 44 Tracker SN number (the same with u set on the platform.11bytes)
00 19 Serial Code(number)
00 00 00 00 Alarm Bit
00 00 00 C2 Status Bit

01 59 7F A8 Latitude
01 59 7F A8 hex to decimal 22642600
Decimal 22642600 ÷ 1000000 = 22.6426, if want to converted it to format of degree and minute, please : 22degree,
0.6426*60=38.556 minute----- so the Latitude is 2238.5560N

06 CC 01 58 Longitude
06 CC 01 58 hex to decimal 114032984
Decimal 114032984 ÷ 1000000 = 114.032984 If want to converted it to format of degree and minute, please: 114 degree,
0.032984*60=1.97904 minute----- so the longitude is 11401.9790N

00 80 Altitude 128m
00 AA Speed 170/10=17km/h Default GPS speed, for reference
00 08 direction 8
15 08 18 07 21 21 time 2015-08-18 07:21:21

Extension bit data as bellow:

01[Mileage]	04[4 bytes mileage]	00 00 02 F5 means 757/10=75.7km
02[fule lever]	02[2bytes fuel]	00 00 fuel level no data
03[sensor speed]	02[2bytes sensor speed]	00 00 sensor speed no data

both effective, take pulse rate, or, take gps speed (gps or pulse speed, at the same time if

9F XOR checksum
7E Ending

0x8001 : Platform Common Answer
7E80010005013150284894 00010002020000107E

7E header
8001 main signaling
0005 Message Body Length
013150284894 Tracker SN number (the same with u set on the platform.11bytes)
0001 Serial Code(number)
0002 Response serial number
0200 ResponseID
00 result
10 checksum
7E Ending

0002 heardbeat data
7E000200000138335042790016757E

7E header
0002 main signaling
0000 Message Body Length
013833504279 Tracker SN number (the same with you set on the platform.11bytes)
0016 Serial Code(number)
75 checksum
7E Ending

0x8001 : Platform Commonl Answer
7E80010005013150284894 00010002000200107E

-----above data must have

0x6801 : inquire custom terminal parameters

0x8103 : setting terminal parameters

Issued data : 7E 81 03 00 0A 01 41 50 12 51 08 00 00 01 00 00 00 27 04 00 00 00 1E EF 7E

Response data : 7E 00 01 00 05 01 41 50 12 51 08 06 C6 00 00 83 00 00 1C 7E

0x8104 : inquire terminal parameters

Issued data : 7E 81 04 00 00 01 41 50 12 51 08 00 00 DE 7E

Response data : 7E 01 04 01 8F 01 41 50 12 51 08 01 2F 00 00 2E 00 00 00 01 04 00 00 00 B4 00 00 00 02 04 00 00 00
00 00 00 00 03 04 00 00 00 00 00 00 00 04 04 00 00 00 00 00 00 05 04 00 00 00 00 00 00 06 04 00 00 00 00 00
00 00 07 04 00 00 00 00 00 00 10 05 43 4D 4E 45 54 00 00 00 11 00 00 00 00 12 00 00 00 00 13 0E 32 31 39 2E 31
33 33 2E 33 34 2E 31 39 38 00 00 00 14 00 00 00 00 15 00 00 00 00 16 00 00 00 00 17 00 00 00 00 18 04 00 00 1B 60
00 00 00 19 04 00 00 1B 60 00 00 00 20 04 00 00 00 00 00 00 21 04 00 00 00 00 00 00 22 04 00 00 00 00 00 00
00 28 04 00 00 00 00 00 00 27 04 00 00 00 1E 00 00 00 29 04 00 00 00 1E 00 00 00 2C 04 00 00 00 00 00 00 50
04 00 00 00 00 00 00 00 52 04 00 00 00 00 00 00 53 04 00 00 00 00 00 00 55 04 00 00 00 50 00 00 00 56 04 00
00 00 0A 00 00 00 57 04 00 00 38 40 00 00 00 58 04 00 00 00 00 00 00 59 04 00 00 04 B0 00 00 00 5A 04 00 00 00
00 00 00 00 70 04 00 00 00 00 00 00 71 04 00 00 00 00 00 00 72 04 00 00 00 00 00 00 73 04 00 00 00 00 00
00 00 74 04 00 00 00 00 00 00 80 04 00 00 01 22 00 00 00 81 02 00 2C 00 00 00 82 02 01 2F 00 00 00 83 0C 31 32
33 34 35 36 00 38 38 38 38 38 00 00 00 84 01 01 00 00 10 18 01 01 00 00 10 22 04 08 01 00 05 00 00 10 23 01 00 2A
7E

0x8105 : terminal control

Issued data: 7E 81 05 00 01 01 41 50 12 51 08 00 00 66 B8 7E

Response data : 7E 00 01 00 05 01 41 50 12 51 08 08 7C 00 00 83 00 00 A8 7E

0x8201 : Location information inquiry(roll call)

Issued data : 7E 82 01 00 00 01 41 50 12 51 08 00 00 D8 7E

Response data : 7E 00 01 00 05 01 41 50 12 51 08 08 7F 00 00 83 00 00 AB 7E

0x8202 : Temporary Position Tracking Control

Issued data : 7E 82 02 00 06 01 41 50 12 51 08 00 00 00 B4 00 00 00 B4 DD 7E

Response data : 7E 00 01 00 05 01 41 50 12 51 08 01 49 00 00 82 02 00 97 7E

0x8203 : Artificial confirmed emergency alarm

Issued data : 7E 82 03 00 06 01 41 50 12 51 08 00 00 00 00 18 70 00 09 BD 7E

common response

0x8300 : information is sent in text (which can be set <SPBSJ ...> parameter)

Issued data : 7E 83 00 00 05 01 41 50 12 51 08 00 00 01 31 31 31 31 DC 7E

Response data : 7E 00 01 00 05 01 41 50 12 51 08 01 94 00 00 83 00 00 49 7E

0x8600 : Set circular area

Issued data: 7E 86 00 00 23 01 41 50 12 51 08 00 00 00 01 00 00 00 01 00 3F 01 BE 43 C1 05 77 D0 84 00 00 9A CF 11
09 28 00 00 00 11 09 28 00 00 00 00 64 0A E1 7E

common response

0x8601 : Remove circular area

Issued data: 7E 86 01 00 05 01 41 50 12 51 08 00 00 01 00 00 00 01 D9 7E

common response

0x8602: Set rectangular area

Issued data: 7E 86 02 00 27 01 41 50 12 51 08 00 00 00 01 00 00 00 02 00 3F 01 81 A4 4B 06 07 55 A8 01 7B 93 54 06
14 9B 6B 11 09 28 00 00 00 11 09 28 00 00 00 00 64 0A 66 7E

common response

0x8603: Delete rectangular area

Issued data: 7E 86 03 00 05 01 41 50 12 51 08 00 00 01 00 00 00 02 D8 7E

common response

0x8604: Set Polygon Area

Issued data: 7E 86 04 00 4F 01 41 50 12 51 08 00 00 00 00 03 00 3F 11 09 28 00 00 00 11 09 28 00 00 00 00 64 0A
00 07 02 1D C9 8A 05 94 B9 B4 02 15 07 A1 05 ED 91 E8 02 00 03 0A 05 F1 E7 61 01 EC BE D5 05 DA 11 47 01 F3 C0 5D
05 B3 10 04 02 1A 48 C6 05 96 E4 70 02 1C 09 28 05 92 8E F7 D8 7E

common response

0x8605: Delete polygon area

Issued data: 7E 86 05 00 05 01 41 50 12 51 08 00 00 01 00 00 00 03 DF 7E

common response

0x8606 : Set Line

Issued data: 7E 86 06 00 68 01 41 50 12 51 08 00 00 00 00 04 00 01 15 07 24 18 17 12 15 07 24 18 17 12 00 04 00
00 00 00 00 00 00 00 01 57 FD 86 06 CB 8D 1E 05 0A 00 64 0A 00 00 00 01 00 00 00 01 01 57 E0 26 06 CB AE 16 05 0A
00 64 0A 00 00 00 02 00 00 00 02 01 57 C2 30 06 CB C0 D6 05 0A 00 64 0A 00 00 00 03 00 00 00 03 01 57 A6 E2 06 CB
E6 56 05 0A 00 64 0A 34 7E

common response

0x8607 : Delete line

Issued data: 7E 86 07 00 05 01 41 50 12 51 08 00 00 01 00 00 00 04 DA 7E

common response

0x8700 : driving record data collection

Issued data: 7E 87 00 00 08 01 41 50 12 51 08 00 00 00 AA 75 00 00 00 00 DF D4 7E

common response

0x8701 : driving record data set

Issued data: 7E 87 01 00 10 01 41 50 12 51 08 00 00 C3 AA 75 C3 00 08 00 14 06 07 17 38 41 03 E8 84 0E

common response

0x8802: query multimedia data

0x8900 : data downlink pass-through

Issued data: 7E 89 00 00 09 01 41 50 12 51 08 00 00 00 41 41 20 42 42 20 43 43 DB 7E

common response

0x8304 : text extended instruction

<EXT000> terminal hardware and software and module version query :

Issued data : 7E 83 00 00 09 01 41 50 12 51 08 00 00 01 3C 45 58 54 30 30 30 3E AB 7E

Response data : 7E 60 06 00 89 01 41 50 12 51 08 00 3C 00 C8 ED BC FE B0 E6 B1 BE 3A 42 53 4A 41 36 4E 56 31 2E
30 20 28 32 30 31 35 2D 30 35 2D 31 38 29 2C D3 B2 BC FE B0 E6 B1 BE 3A 48 57 5F 56 31 2E 35 20 5B 32 30 31 34 2D
31 30 2D 32 39 5D 2C B3 CC D0 F2 D0 A3 D1 E9 3A 28 42 6F 6F 74 3A 37 36 35 30 42 29 28 4D 61 69 6E 3A 31 36 31 34
31 37 43 29 2C BB AA D1 B6 B6 A8 CE BB C4 A3 BF E9 D0 CD BA C5 D3 EB B0 E6 B1 BE 3A 23 48 58 47 53 57 34 23 56
31 2E 33 2E 30 E1 7E

<EXT001> Terminal Status :

Issued data : 7E 83 00 00 09 01 41 50 12 51 08 00 00 01 3C 45 58 54 30 30 31 3E AA 7E

Response data : 7E 60 06 00 E8 01 41 50 12 51 08 00 3F 00 41 43 43 BF AA 3A 33 30 73 2C 41 43 43 B9 D8 3A 31 32 30
73 2C 54 43 50 D0 C4 CC F8 3A 31 38 30 73 2C 49 50 28 44 29 3A 32 31 39 2E 31 33 33 2E 33 34 2E 31 39 38 3A 37 37

38 38 2C 49 50 28 54 29 30 2E 30 2E 30 2E 30 3A 30 2C B6 CC D0 C5 D6 D0 D0 C4 3A 2C B3 AC CB D9 BC EC B2 E2 3A
31 30 73 2C B3 AC CB D9 D3 EF D2 F4 CC E1 CA BE BF AA 2C CA A1 B5 E7 C4 A3 CA BD 3A B9 D8 2C 47 50 53 B3 D6 D0
F8 B6 A8 CE BB CB A2 D0 C2 3A 31 30 73 2D B9 D8 C1 AA 41 43 43 3A 2C D6 F7 B5 E7 D4 B4 3A 31 32 2E 38 56 2C B5
CD D1 B9 BC EC B2 E2 3A 31 30 56 2C B6 CF B5 E7 BC EC B2 E2 3A 35 56 2C B6 A8 CA B1 C5 C4 D5 D5 3A B9 D8 5B B4
A5 B7 A2 3A CE DE 5D 2C 43 4F 4D 31 3A 30 3B 2C B6 CC D0 C5 C5 E4 D6 C3 BF AA E8 7E

<EXT003>SD card storage inquiry :

Issued data : 7E 83 00 00 09 01 41 50 12 51 08 00 00 01 3C 45 58 54 30 30 33 3E A8 7E

Response data :7E 60 06 00 21 01 41 50 12 51 08 00 58 00 2A 2A CC E1 CA BE 3A 25 C9 E8 D6 C3 53 44 BF A8 B4 E6 B4
A2 B2 CE CA FD D4 DD B2 BB D6 A7 B3 D6 2D 7E

<EXT00LOG00>terminal log query :

Issued data : 7E 83 00 00 0D 01 41 50 12 51 08 00 00 01 3C 45 58 54 30 30 4C 4F 47 30 30 3E DB 7E

Response data : 7E 60 06 01 23 01 41 50 12 51 08 05 95 00 73 74 61 72 74 3A 0D 0A 31 35 20 30 35 20 31 39 20 31 32
20 32 34 20 34 31 20 45 46 20 30 43 20 30 30 20 30 44 20 31 35 20 30 31 20 30 31 20 31 39 20 44 44 20 42 36 20 33
39 20 34 41 20 31 44 20 42 43 20 0D 0A 31 35 20 30 35 20 31 39 20 31 32 20 35 35 20 31 33 20 45 46 20 30 43 20 30
30 20 30 44 20 31 35 20 30 31 20 30 31 20 31 39 20 44 44 20 42 36 20 33 39 20 34 41 20 31 44 20 42 43 20 0D 0A 31
35 20 30 35 20 31 39 20 31 37 20 35 39 20 34 33 20 45 46 20 30 43 20 30 30 20 30 44 20 31 35 20 30 31 20 30 31 20
31 41 20 44 44 20 42 36 20 33 39 20 34 41 20 31 44 20 42 43 20 0D 0A 31 35 20 30 35 20 31 39 20 31 37 20 35 39 20
34 33 20 45 46 20 30 43 20 38 30 20 30 44 20 31 35 20 30 31 20 30 31 20 31 41 20 44 44 20 42 36 20 33 39 20 34 41
20 31 44 20 42 43 20 0D 0A 31 35 20 30 35 20 32 32 20 30 39 20 31 38 20 30 32 20 45 46 20 30 43 20 30 30 20 30 44
20 31 34 20 30 C9 7E

<EXT00GPRS=00>GPRS traffic statistics cleared :

Issued data : 7E 83 00 00 0F 01 41 50 12 51 08 00 00 01 3C 45 58 54 30 30 47 50 52 53 3D 30 30 3E B6 7E

Response data :7E 60 06 00 87 01 41 50 12 51 08 00 89 00 B4 D3 32 35 C8 D5 BF AA CA BC 2C 49 50 31 C9 CF D0 D0 D7
D6 BD DA 3A 30 2C 49 50 31 C9 CF D0 D0 B0 FC CA FD 3A 30 2C 49 50 32 C9 CF D0 D0 D7 D6 BD DA 3A 30 2C 49 50 32
C9 CF D0 D0 B0 FC CA FD 3A 30 2C 49 50 31 CF C2 D0 D0 D7 D6 BD DA 3A 30 2C 49 50 31 CF C2 D0 D0 B0 FC CA FD 3A
30 2C 49 50 32 CF C2 D0 D0 D7 D6 BD DA 3A 30 2C 49 50 32 CF C2 D0 D0 B0 FC CA FD 3A 30 2C 50 50 50 D7 DC C1 F7
C1 BF 3A 30 18 7E

<EXT00GPRS?00> GPRS traffic statistics query :

Issued data : 7E 83 00 00 0F 01 41 50 12 51 08 00 00 01 3C 45 58 54 30 30 47 50 52 53 3F 30 30 3E B4 7E

Response data :7E 60 06 00 95 01 41 50 12 51 08 05 B0 00 B4 D3 32 35 C8 D5 BF AA CA BC 2C 49 50 31 C9 CF D0 D0 D7
D6 BD DA 3A 31 35 39 2C 49 50 31 C9 CF D0 D0 B0 FC CA FD 3A 33 2C 49 50 32 C9 CF D0 D0 D7 D6 BD DA 3A 31 31 35
36 2C 49 50 32 C9 CF D0 D0 B0 FC CA FD 3A 31 35 2C 49 50 31 CF C2 D0 D0 D7 D6 BD DA 3A 31 33 36 2C 49 50 31 CF
C2 D0 D0 B0 FC CA FD 3A 32 2C 49 50 32 CF C2 D0 D0 D7 D6 BD DA 3A 36 30 32 2C 49 50 32 CF C2 D0 D0 B0 FC CA FD
3A 31 30 2C 50 50 50 D7 DC C1 F7 C1 BF 3A 32 30 35 33 38 7E

<EXT190> Set ACC is not associated with GPS speed :

Issued data : 7E 83 00 00 09 01 41 50 12 51 08 00 00 01 3C 45 58 54 31 39 30 3E A3 7E

Response data :7E 60 06 00 25 01 41 50 12 51 08 05 BB 00 2A 2A CC E1 CA BE 3A 25 D4 B6 B3 CC C9 E8 D6 C3 25 41 43
43 26 47 50 53 B9 D8 C1 AA C9 E8 D6 C3 B3 C9 B9 A6 94 7E

<EXT191> Set ACC associate GPS speed :

Issued data : 7E 83 00 00 09 01 41 50 12 51 08 00 00 01 3C 45 58 54 31 39 31 3E A2 7E

Response data :7E 60 06 00 25 01 41 50 12 51 08 05 C3 00 2A 2A CC E1 CA BE 3A 25 D4 B6 B3 CC C9 E8 D6 C3 25 41 43
43 26 47 50 53 B9 D8 C1 AA C9 E8 D6 C3 B3 C9 B9 A6 EC 7E

<EXT87...> Remote upgrade the host :

Issued data : 7E 83 00 00 08 01 41 50 12 51 08 00 00 01 3C 45 58 54 38 37 3E 95 7E \

<EXT93x>x = '0' or '1' Power Save Mode :

Issued data: x=0 : 7E 83 00 00 09 01 41 50 12 51 08 00 00 01 3C 45 58 54 39 33 30 3E A1 7E

Response data: 7E 60 06 00 22 01 41 50 12 51 08 00 B7 00 2A 2A CC E1 CA BE 3A 25 D4 B6 B3 CC C9 E8 D6 C3 25 CA A1 B5 E7 C4 A3 CA BD C9 E8 D6 C3 B3 C9 B9 A6 9A 7E

Issued data : x=1 : 7E 83 00 00 09 01 41 50 12 51 08 00 00 01 3C 45 58 54 39 33 31 3E A0 7E

Response data: 7E 60 06 00 22 01 41 50 12 51 08 00 C1 00 2A 2A CC E1 CA BE 3A 25 D4 B6 B3 CC C9 E8 D6 C3 25 CA A1 B5 E7 C4 A3 CA BD C9 E8 D6 C3 B3 C9 B9 A6 EC 7E

<EXT95xx>GPS positioning refresh time duration xx :

Issued data : 10S : 7E 83 00 00 0A 01 41 50 12 51 08 00 00 01 3C 45 58 54 39 35 31 30 3E 95 7E

Response data : 7E 00 01 00 05 01 41 50 12 51 08 00 CA 00 00 83 00 00 16 7E

7E 60 06 00 25 01 41 50 12 51 08 00 CB 00 2A 2A CC E1 CA BE 3A 25 D4 B6 B3 CC C9 E8 D6 C3 25 47 50 53 CB A2 D0 C2 CA B1 BC E4 C9 E8 D6 C3 B3 C9 B9 A6 D4 7E

<EXT981005>set voltage parameters :

Issued data : 7E 83 00 00 0C 01 41 50 12 51 08 00 00 01 3C 45 58 54 39 38 31 30 30 35 3E 9B 7E

Response data : 7E 60 06 00 22 01 41 50 12 51 08 01 5B 00 2A 2A CC E1 CA BE 3A 25 D4 B6 B3 CC C9 E8 D6 C3 25 B5 E7 D1 B9 B2 CE CA FD C9 E8 D6 C3 B3 C9 B9 A6 2F 7E

<EXT9CTTSS00>fatigue rack drive parameter settings :

Issued data : 7E 83 00 00 0E 01 41 50 12 51 08 00 00 01 3C 45 58 54 39 43 30 31 31 35 30 30 3E E3 7E

Response data : 7E 60 06 00 79 01 41 50 12 51 08 01 64 00 2A 2A CC E1 CA BE 3A D4 CA D0 ED C1 AC D0 F8 BC DD CA BB CA B1 BC E4 3A 32 34 30 B7 D6 D6 D3 2C D0 DD CF A2 CA B1 BC E4 3A 32 30 B7 D6 D6 D3 2C D2 D1 C1 AC D0 F8 BC DD CA BB 3A 30 B7 D6 D6 D3 2C D2 D1 CD A3 B3 B5 3A 31 35 B7 D6 D6 D3 CB D9 B6 C8 5B 56 3A 30 B9 AB C0 EF 2F D0 A1 CA B1 2C 47 3A 30 B9 AB C0 EF 2F D0 A1 CA B1 5D 2C B3 B5 C1 BE C2 F6 B3 E5 3A 30 2F 7E

//TT=02~99 denote fatigue driving time frame, one unit every five minutes, at least 10 minutes, such as 02 * 5 = 10 minutes;

// =00 时, showing canceled fatigue frame drive function

// =01 时, represents query the current fatigue driving time frame parameters

//SS=15~99 15 ~ 99 indicating parking time, units per minute, minimum 15 minutes (the value is less than 15, press 15 to handle)

<EXTBFx> x = 0 indicates query the current state; x = 1 to set the speed sensor; x = 2 Set GPS speed

Issued data : x=0;7E 83 00 00 09 01 41 50 12 51 08 00 00 01 3C 45 58 54 42 46 30 3E AF 7E

Response data : 7E 60 06 00 16 01 41 50 12 51 08 06 A7 00 2A 2A CC E1 CA BE 3A 25 C8 A1 47 50 53 CB D9 B6 C8 C4 A3 CA BD 9D 7E

Issued data : x=1 : 7E 83 00 00 09 01 41 50 12 51 08 00 00 01 3C 45 58 54 42 46 31 3E AE 7E

Response data : 7E 60 06 00 26 01 41 50 12 51 08 06 BE 00 2A 2A CC E1 CA BE 3A 25 D4 B6 B3 CC C9 E8 D6 C3 25 BC EC B2 E2 CB D9 B6 C8 B7 BD CA BD C9 E8 D6 C3 B3 C9 B9 A6 A9 7E

Issued data : x=2 :7E 83 00 00 09 01 41 50 12 51 08 00 00 01 3C 45 58 54 42 46 32 3E AD 7E

Response data : 7E 00 01 00 05 01 41 50 12 51 08 06 C6 00 00 83 00 00 1C 7E

Response data : 7E 60 06 00 26 01 41 50 12 51 08 06 C7 00 2A 2A CC E1 CA BE 3A 25 D4 B6 B3 CC C9 E8 D6 C3 25 BC EC B2 E2 CB D9 B6 C8 B7 BD CA BD C9 E8 D6 C3 B3 C9 B9 A6 D0 7E

<EXTC61AA> set up a single Compass :

Issued data : 7E 83 00 00 0B 01 41 50 12 51 08 00 00 01 3C 45 58 54 43 36 31 41 41 3E DD 7E

Response data : 7E 00 01 00 05 01 41 50 12 51 08 07 11 00 00 83 00 00 CA 7E 7E 60 06 00 18 01 41 50 12 51 08 07

14 00 2A 2A CC E1 CA BE 3A C9 E8 D6 C3 CE AA B5 A5 B1 B1 B6 B7 B3 C9 B9 A6 71 7E

<EXTC62AA>set up a single GPS mode :

Issued data : 7E 83 00 00 0B 01 41 50 12 51 08 00 00 01 3C 45 58 54 43 36 32 41 41 3E DE 7E

Response data : 7E 00 01 00 05 01 41 50 12 51 08 01 9F 00 00 83 00 00 42 7E 7E 60 06 00 17 01 41 50 12 51 08 01 A0 00 2A 2A CC E1 CA BE 3A C9 E8 D6 C3 CE AA B5 A5 47 50 53 B3 C9 B9 A6 89 7E

<EXTC63AA> Set the Dual Mode :

Issued data : 7E 83 00 00 0B 01 41 50 12 51 08 00 00 01 3C 45 58 54 43 36 33 41 41 3E DF 7E

Response data : 7E 00 01 00 05 01 41 50 12 51 08 07 22 00 00 83 00 00 F9 7E 7E 60 06 00 16 01 41 50 12 51 08 07 23 00 2A 2A CC E1 CA BE 3A C9 E8 D6 C3 CE AA CB AB C4 A3 B3 C9 B9 A6 5E 7E

<EXTC60AA> positioning module and mode queries :

Issued data : 7E 83 00 00 0B 01 41 50 12 51 08 00 00 01 3C 45 58 54 43 36 30 41 41 3E DC 7E

Response data : 7E 00 01 00 05 01 41 50 12 51 08 07 25 00 00 83 00 00 FE 7E 7E 60 06 00 24 01 41 50 12 51 08 07 26 00 2A 2A CC E1 CA BE 3A B6 A8 CE BB C4 A3 BF E9 3A B1 B1 B6 B7 A3 AC B6 A8 CE BB C4 A3 CA BD 3A CB AB C4 A3 73 7E

<EXTCBxxxx>: Query stats (for analyzing problems) xxxx parameters are as follows specific return parameters

Refer to the code analysis :

<CKSTATUS2>/<CKSTATUS3>/<CKSTATUS>/<RSTCUST>/<CKFAC>/<CKGPIO>/<CKGS

EN>/<CKNMEA>/<CKIAP>/<CKSTATS2>/<CKSTATS>/<CKGETRAM>/<CKGETFLASH>/<CKGETFSRAM>/<CKBSJ>/<ckbsj>

<EXTB7000> Cancel CAR. :

Issued data : 7E 83 00 00 0B 01 41 50 12 51 08 00 00 01 3C 45 58 54 42 37 30 30 30 3E DC 7E

Response data : 7E 00 01 00 05 01 41 50 12 51 08 01 C0 00 00 83 00 00 1D 7E

Response data : 7E 60 06 00 18 01 41 50 12 51 08 01 C1 00 2A 2A CC E1 CA BE 3A D7 EE B4 F3 CF DE CB D9 C8 A1 CF FB B3 C9 B9 A6 C3 7E

<EXTB7001>Query Speed Limit :

Issued data : 7E 83 00 00 0B 01 41 50 12 51 08 00 00 01 3C 45 58 54 42 37 30 30 31 3E DD 7E

Response data : 7E 00 01 00 05 01 41 50 12 51 08 07 4D 00 00 83 00 00 96 7E

Response data : 7E 60 06 00 1B 01 41 50 12 51 08 07 4F 00 2A 2A CC E1 CA BE 3A CB D9 B6 C8 CF DE D6 C6 3A CE DE CB D9 B6 C8 CF DE D6 C6 27 7E

<EXTB7120> Set the speed limit value of 120 represents the maximum speed limit is 120 :

Issued data : 7E 83 00 00 0B 01 41 50 12 51 08 00 00 01 3C 45 58 54 42 37 31 32 30 3E DF 7E

Response data : 7E 00 01 00 05 01 41 50 12 51 08 07 52 00 00 83 00 00 89 7E

7E 60 06 00 18 01 41 50 12 51 08 01 D8 00 2A 2A CC E1 CA BE 3A D7 EE B4 F3 CF DE CB D9 C9 E8 D6 C3 B3 C9 B9 A6 B3 7E

<EXTD2?> GPS drift suppressing parameter xxx km, xx point query :

Issued data : 7E 83 00 00 09 01 41 50 12 51 08 00 00 01 3C 45 58 54 44 32 3F 3E D2 7E

Response data : 7E 00 01 00 05 01 41 50 12 51 08 00 04 00 00 83 00 00 D8 7E 7E 60 06 00 22 01 41 50 12 51 08 00 05 00 2A 2A CC E1 CA BE 3A 47 50 53 C6 AF D2 D6 D6 B9 B2 CE CA FD 3A 31 30 B9 AB C0 EF 2C B5 DA 33 B5 E3 54 7E

<EXTD21 xxxyy> GPS drift suppressing parameter xxx km, the first point is set yy :

Issued data : 7E 83 00 00 0E 01 41 50 12 51 08 00 00 01 3C 45 58 54 44 32 31 30 31 30 30 33 3E E9 7E

Response data : 7E 00 01 00 05 01 41 50 12 51 08 00 09 00 00 83 00 00 D5 7E 7E 60 06 00 22 01 41 50 12 51 08 00
0A 00 2A 2A CC E1 CA BE 3A 47 50 53 C6 AF D2 D6 D6 B9 B2 CE CA FD 3A 31 30 B9 AB C0 EF 2C B5 DA 33 B5 E3 5B 7E

<EXTD3>center number and privilege number inquiry :

Issued data : 7E 83 00 00 08 01 41 50 12 51 08 00 00 01 3C 45 58 54 44 33 3E ED 7E

Response data : 7E 00 01 00 05 01 41 50 12 51 08 07 65 00 00 83 00 00 BE 7E 7E 60 06 00 14 01 41 50 12 51 08
00 12 00 2A 2A CC E1 CA BE 3A 3C 43 4B 53 50 45 3A 2C 2C 2C 2C 3E 2E 7E

<EXTD81123.065.216.246,8806> Set IP and port upgrade housekeeper IP: 123.065.216.248 : Port: 8806

Issued data : 7E 83 00 00 1D 01 41 50 12 51 08 00 00 01 3C 45 58 54 44 38 31 31 32 33 2E 30 36 35 2E 32 31 36 2E 32
34 36 2C 38 38 30 36 3E C0 7E

Response data : 7E 00 01 00 05 01 41 50 12 51 08 00 17 00 00 83 00 00 CB 7E 7E 60 06 00 2C 01 41 50 12 51 08
00 18 00 2A 2A CC E1 CA BE 3A C9 FD BC B6 B9 DC BC D2 49 50 C9 E8 D6 C3 CE AA 3A 31 32 33 2E 36 35 2E 32 31 36
2E 32 34 36 2C 38 38 30 36 1E 7E

<EXTD8?> IP and port upgrades Butler inquiry :

Issued data : 7E 83 00 00 09 01 41 50 12 51 08 00 00 01 3C 45 58 54 44 38 3F 3E D8 7E

Response data : 7E 00 01 00 05 01 41 50 12 51 08 00 1B 00 00 83 00 00 C7 7E 7E 60 06 00 2C 01 41 50 12 51 08
00 1C 00 2A 2A CC E1 CA BE 3A C9 FD BC B6 B9 DC BC D2 49 50 C9 E8 D6 C3 CE AA 3A 31 32 33 2E 36 35 2E 32 31 36
2E 32 34 36 2C 38 38 30 36 1A 7E

<EXTFFzone 800> time zone setting (East Area 8) :

Issued data : 7E 83 00 00 10 01 41 50 12 51 08 00 00 01 3C 45 58 54 46 46 7A 6F 6E 65 20 38 30 30 3E 84 7E

Response data : 7E 00 01 00 05 01 41 50 12 51 08 08 51 00 00 83 00 00 85 7E 7E 60 06 00 11 01 41 50 12 51 08 01
0A 00 2A 2A CC E1 CA BE 3A 7A 6F 6E 65 20 69 73 20 38 78 7E

<EXTFFzone ?> The terminal zone query :

Issued data : 7E 83 00 00 0E 01 41 50 12 51 08 00 00 01 3C 45 58 54 46 46 7A 6F 6E 65 20 3F 3E 9D 7E

Issued data : 7E 00 01 00 05 01 41 50 12 51 08 08 5A 00 00 83 00 00 8E 7E 7E 60 06 00 18 01 41 50 12 51 08 08
59 00 2A 2A CC E1 CA BE 3A B2 BB D6 A7 B3 D6 B5 C4 C0 A9 D5 B9 D6 B8 C1 EE 3F 7E