

R-35W Waterproof GPS Tracker



Features

- IP67 casing
- Compact size
- Easy to install
- SMS remote control for engine on/off
- Panic input for emergency or anti-theft
- Wide power supply range: 7-37 volt
- Auto switching to sleep mode
- Stand-by time up to 3 yrs

Specifications

<i>Mechanical & Environmental</i>	
Unit size	L x W x H 100 x 70 x 32 (±1) mm
Weight	250 g
Plastic waterproof casing	(IP67)
<i>Case Environmental Characteristics</i>	
Operational Temperature	- 25 ~ + 70 °C (board temperature)
Storage temperature	-40°C to +80°C
<i>Electrical Characteristics</i>	
Power input	DC from 7 to +37VDC (MAX 500 mA).
Built-in power filter and short circuit protected	Yes
Power relay to switch	Up to 5A.
Panic input	Yes
'Loop' wire to detect external cable broken or cut	Yes

<i>GPS Specifications Ublox-LEA-5S chipset</i>	
<i>Receiver Type</i>	
50 Channels	
GPS L1 frequency C/A Code	
GALILEO Open Service L1 frequency	
<i>Time-To-First-Fix</i>	
Cold Start (Autonomous) 29 s	
Warm Start (Autonomous) 29 s	
Hot Start (Autonomous) <1 s	
<i>Sensitivity</i>	
Tracking & Navigation -160 dBm	

Re-acquisition -160 dBm	
Cold Start (Autonomous) -144 dBm	
Horizontal Position Accuracy	Autonomous < 2.5 m SBAS < 2.0 m
Velocity Accuracy	0.1 m/s
Heading Accuracy	0.5 degrees
Dynamics	≤ 4 g
Operational Limits	Velocity 515 m/s (1000 knots)
Power Use	
Battery	1150mA/ 3.7 volt
GSM/GPRS Specifications	
Electrical Characteristics	
Frequency bands	<ul style="list-style-type: none"> ▪ Quad-band: GSM 850, EGSM 900, DCS 1800, PCS 1900. The module can search the 4 frequency bands automatically. The frequency bands also can be set by AT command. ▪ Compliant to GSM Phase 2/2+
GSM class	Small MS
Transmit power	<ul style="list-style-type: none"> ▪ Class 4 (2W) at EGSM 900 ▪ Class 1 (1W) at DCS1800 and PCS 1900
GPRS connectivity	<ul style="list-style-type: none"> ▪ GPRS multi-slot class 8 (optional) ▪ GPRS multi-slot class 10 (default) ▪ GPRS mobile station class B
DATA GPRS CSD	<ul style="list-style-type: none"> ▪ GPRS data downlink transfer: max. 85.6 kbps ▪ GPRS data uplink transfer: max. 42.8 kbps ▪ Coding scheme: CS-1, CS-2, CS-3 and CS-4, the module supports the protocols PAP (Password Authentication Protocol) usually used for PPP connections. ▪ The module integrates the TCP/IP protocol. ▪ Support Packet Switched Broadcast Control Channel (PBCCH) ▪ CSD transmission rates: 2.4, 4.8, 9.6, 14.4 kbps, non-transparent ▪ Unstructured Supplementary Services Data (USSD) support
SMS	<ul style="list-style-type: none"> ▪ MT, MO, CB, Text and PDU mode ▪ SMS storage: SIM card
SIM interface	Supports SIM card: 1.8V ,3V
Audio features	<p>Speech codec modes:</p> <ul style="list-style-type: none"> ▪ Half Rate (ETS 06.20) ▪ Full Rate (ETS 06.10) ▪ Enhanced Full Rate (ETS 06.50 / 06.60 / 06.80) ▪ Echo suppression

Ordering Information