

Waterproof Vehicle Tracker



Features

- IP67 dust tight and waterproof rating
- Wide range of power input voltage
- Store and resend up to 50,000 locations
- Pin point cell location
- AGPS support to improve GPS fixing time
- Driver ID (optional)
- Immobilizer (optional)
- Activated by motion/ignition
- Over the air (OTA) firmware/configuration upload
- Built-in antennas, compact size
- Auto switching between 2G and 3G

Specifications

Mechanical and Environmental			
Dimension (L x W x H)	100 x 70 x 32 mm (±2 mm)		
Weight	230 g		
Material	PC-ABS thermoplastic, heat and impact resistant		
IP Rating	IP67		
Operation Temperature	-20°C ~ +60°C		
Storage Temperature	-40°C ~ +85°C		
Electrical			
Battery	Battery Cell	1000 mAh prismatic Li-Ion	
	Operation Temperature	-20°C ~ +60°C	
	Storage Condition	-20°C ~ +35°C, low humidity and no corrosive gas	
	Capacity	1,000 mAh	
	Operation Time	Transmitter: 1 hour	
		Stand-by: 12 hours	
Idle: 24 hours			
Power Supply Input	6 ~ 36 V _{dc} (Current 2A, Ripple < 300mV _{p-p})		

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		9V _{dc}	12V _{dc}	24V _{dc}	36V _{dc}
Power Consumption	Transmit	2 A	2 A	2 A	2 A
	Stand-by	150 mA	200 mA	250 mA	300 mA
	Idle	20 mA	30 mA	40 mA	50 mA
IO Interface and Other					
Input	6 ~ 36 Vdc up to 2A				
	Active high input				
	Active low input				
1-Wire®	iButton				
Output	Immobilizer				
	Buzzer				
USB	Prolific USB-to-Serial Comm Port				
3-Axes Accelerometer	±16G (default)				
Memory Backup	8 MB flash memory				
Antenna	Built-in GPS and GSM antennas				
LED	Amber	GSM			
	Red	Power			
	Green	GPS			
GPS					
Receiver Type	56-channel, GPS L1 C/A, SBAS: WAAS, EGNOS, MSAS				
Acquisition	Cold starts 29 secs, aided starts 5 secs, reacquisition 1 sec				
Sensitivity	Tracking & Nav. -162 dBm, cold starts -148 dBm, warm starts -148 dBm				
Accuracy	Autonomous 2.5 m, SBAS 2.0 m				
Operation Limits	Altitude 50,000 m, velocity 500 m/s, dynamics ≤ 4 g				
Cellular Communication					
UMTS/HSPA	800/850/900/1700/1900/2100 MHz (Bands VI, V, VIII, IV, II, I) 3GPP Release 7 Uplink: 5.76 Mb/s or 5.76 Mb/s, Downlink: 5.76 Mb/s or 7.2 Mb/s				

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GSM	GSM 850 / 900 / 1800 / 1900 MHz, 3GPP Release 7, PBCCH support
GPRS	Class 12 data rates, CS1-CS4 - up to 86.5 kb/s
EDGE	Class 12 data rates, MCS1-9 - up to 236.8 kb/s
CSD	GSM max. 9.6 kb/s, UMTS max. 64 kb/s
SMS	PDU / Text mode
Key Features	Embedded TCP/IP, UDP/IP, HTTP/FTP protocols
	Network jamming Detection
	CellLocate & hybrid positioning

Accessories

Standard
Warranty seals
Optional
USB to serial cable (for configuration use)
ISO-7637 power surge protection box
Immobilizer relay
iButton probe
iButton tag & key fob
Buzzer
Digital temperature sensor

NOT E:

1. Datasheets are updated as needed and as such, specifications are subject to change without notice.
2. All specifications are measured at an ambient temperature of 25°C, humidity<75%, and nominal input voltage.