

GPS Tracker is supposed to be this stable

# ATrack



## AL1 GPRS GPS Tracker

CE FC



### Product Features:

- Small and easy installation
- Data communication by SMS/USSD/TCP/UDP
- High accuracy GPS positioning
- GSM jamming detection
- Built-in 3-axis G-sensor
- FOTA firmware upgrade using FTP
- Configurable Real Time Tracking & Logging
- Intelligent event control engine
- 3 Configurable GPIOs
- Roaming preference settings
- Harsh driving behavior events
- Configurable power management
- 32 user defined geofences
- Support external fuel level sensor

### Optional Features:

- Backup battery
- 1-Wire technology support
- CMOS camera support
- Garmin FMI support
- RS-232 cable

### Optional Accessories:



### Compatible 3<sup>rd</sup> Party Peripherals:



Squarell  
technology

GARMIN™  
AUTHORIZED PARTNER

ATrack Technology Inc  
www.ATRACK.com.tw



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## AL 1 Hardware Specification

<b>Model Number</b>	<b>AL1</b>
Dimensions (L x W x H)	80 x 48 x 26 mm
Weight	78g
Housing	PC+ABS (94 V-0)
Operating Temperature	-25°C ~ +70°C (-13°F ~ +158°F)
<b>Electrical Characteristics</b>	
Power Supply	8V ~ 40V DC (±20%)
Current Consumption	Operating : 70mA@12V average, Deep sleep mode 4mA@12V
Backup Battery (Optional)	3.7V 650mAh Rechargeable Lithium-ion battery
<b>Cellular Network Communication</b>	
Frequency(MHz)	850/900/1800/1900
Output Power	2W@850/900 MHz 1W@1800/1900 MHz
Cellular Antenna	Internal Quad-Band Cellular antenna
SIM Card	1.8V/3V MiniSIM(2FF)
<b>GPS</b>	
Receiver	66 Channels, L1 Band, C/A Code, -165dBm
Accuracy	2.5m CEP
Data Acquisition Rate	1Hz
GPS Antenna	External GPS active antenna
GPS Antenna status	GPS antenna tampering detection
GPS Data Buffer Capacity	2 MB
<b>Accelerometer</b>	
3-Axis	Z,X,Y
Resolution	±16g, 400Hz
<b>Device I/O Port</b>	
ACC Input	1 Positive Triggered
*Digital Input	1 Positive, 2 Negative Triggered
*Digital Output	2 Open-Collect Output (Max. sink current 300mA)
*Analog Input	1 Analog input (0~40VDC, 12bits resolution)
*1-Wire® (Optional)	Supported up to 1 Dallas-Key(iButton®) and 2 temperature sensors
RS-232	1 RS-232 interface (Configurable baudrate 1200bps~115200bps)
<b>Standard Accessories</b>	
Power Cable	6-wires (Full function)
GPS Antenna	External GPS Active antenna (Length 5m)

\*Support up to 3 maximum Digital Inputs or 2 maximum Digital Outputs or 1 maximum Analog Input or 1-Wire® via configuration

\*\*Specifications are subject to change without prior notice

