

## AS1R Asset Tracker

AS1R is designed for monitoring mobile assets with GPS for location tracking and GPRS/HSPA/CDMA for data communication. The AS1R product has optimal design for operating environment with IP67 rating, which provides total protection against temperature, dust, and water spray. In addition, AS1R featuring a large 4100mAh rechargeable lithium battery capacity and packaged in a IP67 waterproof enclosure.



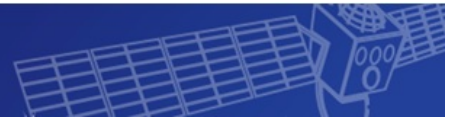
### Product Features:

- Flexible data communication network options
- No external wires or antennas needed
- Data communication by SMS/TCP/UDP
- Optional GPS+GLONASS module
- 4100mAh rechargeable battery
- Built-in 3-axis G-sensor for motion detection
- FOTA firmware upgrade using FTP
- Configurable Real Time Tracking & Logging
- 5 user defined geo-fences

### Optional Accessories:

- Magnet Mount Kits
- 4.2Vdc battery charger





## AS1R Series Hardware Specification:

<b>Model Number</b>	<b>AS1R</b>
Dimensions (L x W x H)	120 x 80 x 32 mm
Weight	250g
Housing	ABS+PC (UL 94 V-0), IP67 water proof
Operating Temperature	-20°C~ +60°C(-4°F~+140°F) [Discharge]
<b>Electrical Characteristics</b>	
Internal Battery	4.35V 4100mAh Primary battery
<b>Cellular Network Communication</b>	
Frequency(MHz)	GSM : Quad-band (850/900/1800/1900MHz)
	CDMA : Dual-band (800/1900MHz Verizon/Sprint)
	HSPA Dual-band : 850/1900 or 900/2100MHz
	HSPA Global : 6-band (800/850/900/1700/1900/2100MHz)
Communication	SMS, TCP/IP, UDP/IP
Cellular Antenna	Internal Cellular antenna
SIM Card	1.8V/3V Mini SIM(2FF)
<b>GPS Characteristics</b>	
Receiver	66 Acquisition Channels, L1 Band, C/A Code, -165dBm sensitivity
Accuracy	3.0m CEP50 without SA
Data Acquisition Rate	1Hz
GPS Antenna	Internal GPS antenna
GPS Data Buffer	Queue: 20,000 positions, Log: 95,000 positions
<b>Accelerometer</b>	
3-Axis	Z,X,Y
Resolution	±2g, 10-bits resolution
<b>Interface</b>	
USB	Internal USB connector
<b>Standard Accessories</b>	
USB cable	USB cable (1.2m)
<b>Optional Accessories</b>	
Magnet Mount Kits	NdFeB Magnet 3000 Gauss±10% x 2pcs, stainless steel screws x 4pcs
AS1R Charger	4.2Vdc Charger

\*Specifications are subject to change without prior notice

