

IC FC  RoHS

AL11 is a compact and IP67 rated LTE tracking device suitable for monitoring various types of mobile assets. It can be easily and covertly installed with a 3 wire connection, and offers additional capabilities for ignition detection, ignition cut, environment temperature monitoring, Driver ID, and SOS alerts. With built-in features like configurable tracking, user-defined reporting, motion & impact detection, geo-fencing, driver behavior monitoring and speeding, AL11 is a flexible and reliable device for diverse tracking applications.

**4G LTE****4G LTE Connectivity**

LTE Cat.1 connectivity with 3G fallback.

IP67**IP67 Waterproof**

With IP67 casing for water and dust protection.

**Easy Installation**

3-wire easy installation.

**3-axis Accelerometer**

Built-in 3-axis accelerometer for detecting impact.

**Real-time Tracking & Logging**

Configurable real-time tracking and logging.

Optional Accessories**Safety**

12V / 24V Relay

SOS Push Button Cable (Unlocked)

Business / Private Trip Switch Button Cable (Locked)

Identification

1-Wire iButton Reader & Tag

1-Wire Magnetic iButton Reader & Tag

1-Wire Trailer ID

Utility

1-Wire Temp. Sensor Probe

Mounting Bracket for AL11

ATrack Proprietary Tool

ACT (ATrack Configuration Tool)

ADM (ATrack Device Management Portal)

Hardware Specification

AL11

CELLULAR

| | |
|---------------------|--|
| AL11-LA (AT&T) | LTE FDD Cat.1 B2 (1900), B4 (AWS1700), B5 (850), B12 (700) UMTS / HSPA+ B2 (1900), B4 (AWS1700), B5 (850) |
| AL11-LE (Europe) | LTE FDD Cat.1 B1 (2100), B3 (1800), B8 (900), B20 (800), B28 (700) GSM / GPRS / EDGE Dual Band 900 / 1800MHz |
| AL11-LU (Australia) | LTE FDD Cat.1 B3 (1800), B5 (850), B8 (900), B28 (700) UMTS / HSPA+ B1 (2100), B5 (850), B8 (900) |
| Data Support | UDP / IP, TCP / IP, SMS |
| Antenna | Embedded cellular antenna |

GPS

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|-------------------------|--------------------------------|
| Receiver Type | 99 channel engine |
| Location Technology | GPS & GLONASS |
| SBAS Support | QZSS, WAAS, EGNOS, GAGAN, MSAS |
| Tracking Sensitivity | -165dBm |
| Acquisition Sensitivity | -148dBm |
| Location Accuracy | 3.0m CEP 50% |
| Antenna | Internal |

INPUTS/OUTPUTS

| | |
|------------------------|--|
| Digital Ignition Input | 1 Positive Input |
| Digital Inputs | Up to 3 (Configurable) |
| Digital Outputs | Up to 2 (Configurable) Max. sink current 300mA |
| Analog Inputs | Up to 1 (Configurable) DC 0~40V (12bits resolution) |
| 1-Wire Interface | 1 (Driver ID, Temperature sensors) |
| LED Indicators | 3 LEDs (Power, GPS, Cellular) |

ELECTRICAL

| | |
|---------------------|--|
| Operating Voltage | Vehicle 12V / 24V system |
| Current Consumption | Operating: 50-250mA @ 12V Deep Sleep: 2.6mA @ 12V |
| Backup Battery | 3.7V 1050mAh |

MEMORY

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|-----------------------|--|
| Internal Flash Memory | 64 Megabit Up to 135,000 logs Up to 9,000 queues |
|-----------------------|--|

SENSORS

| | |
|---------------|-------------|
| Accelerometer | 3-axis ±16g |
|---------------|-------------|

ENVIRONMENTAL

| | |
|-----------------------|---|
| Operating Temperature | -40 to +70 °C (without battery) -20 to +60 °C (with battery) |
| Humidity | 95%RH @ 50°C non-condensing |
| IP Rating | IP67 |

PHYSICAL

| | |
|-----------------|--|
| Dimension | 105mm × 72mm × 21mm (4.13" × 2.83" × 0.83") |
| Weight | 198g (0.43 lb) |
| Enclosure | Flame Retardant PC |
| Mounting Method | Screw mounting bracket |

RoHS CONNECTORS

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|-------------------------|------------------------------|
| Connection Type | Molded power and I/O harness |
| SIM Card Socket | Internal Mini SIM (2FF) |
| Configuration Interface | Internal Micro USB |

DEVICE MANAGEMENT

| | |
|-----------------|----------------------|
| Configuration | ADM, SMS, USB Cable |
| Firmware Update | ADM, FOTA, USB Cable |

CERTIFICATIONS

| | |
|-----------|----------------------|
| Standards | FCC, IC, PTCRB, RoHS |
| Carriers | AT&T |

About ATrack

ATrack Technology Inc. specializes in GPS telematics hardware designing and manufacturing, and has a product portfolio including solutions for cars, trucks, containers & non-powered assets, trailers, and motorcycles. In addition to a line of stable and robust hardware, we are also experienced in firmware and hardware modifications, and customized product developments. ATrack always strives to provide the most reliable hardware and excellent service for our customers and has obtained ISO 9001 Quality Management Systems to enhance product quality and ultimately improve levels of customer satisfaction. For System Integrators & Telematics Service Providers who value vendor responsiveness and flexibility, and are looking for a hardware partner who does not have a competing business model, ATrack is globally proven to be the best choice.

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