



AT70M

Vehicle Recovery and Fleet Management

Maximize efficiency, Maximize risks, Manage assets.

The AT70M tracker is a real-time vehicle tracking system designed for vehicle recovery, fleet management, and more.

IT'S RELIABLE

The ultra-thin yet durable AT70M is a high-performance cellular tracking and IP67 rated device designed for vehicle financing, vehicle tracking, lot management, theft recovery, or other fleet applications. With an integrated GNSS receiver, the AT70M includes an LTE Cat-M (or NB-IoT) modem for wireless data communication. The built-in high-performance antennas for both cellular radio and GNSS receivers make installation easy.

IT'S SIMPLE

No programming skills required; the AT70M comes with easy-to-configure application software and an extended AT command set. Reports can be triggered periodically or in response to events such as motion, speeding, harsh acceleration and braking, geo-fence violations, and battery status. Notifications can be sent for vehicle towing, battery removal, and more.

IT'S FUNCTIONAL

The AT70M interface supports serial communication with external terminals and devices, as well as IO options dedicated to ignition, starter inhibit, and buzzer.

A built in 3-axis accelerometer enables motion detection and monitoring of driver behavior. An internal Lithium-Ion back up battery allows for continuous operation for up to 4 hours when the device is disconnected from the main power. An optional buzzer alert system for driver warnings is available inside the unit.



HIGHLIGHTS

- LTE Cat-M1, NB-IoT & GPRS
- Integrated cellular and GNSS antenna
- LED status indicators for GNSS & network registration
- Integrated accelerometer for monitoring vehicle status & driver behavior
- I/O options for starter inhibit, ignition, and buzzer
- BLE5.0 support, low power consumption
- Rechargeable backup battery
- SMS, UDP, TCP, FTP & MQTT
- Up to 16 Geo-fences (polygon and circles)
- Over the air configuration and firmware update
- Extended AT Command set for flexible & easy configuration
- Small size and easy installation
- OPTIONAL FEATURES
Internal Buzzer

The application firmware is flexible and can be customized to be compatible with your existing server at special request with dedicated personnel to create the best solution for your use case.

AT70M SPECIFICATIONS

A•TRACS™

CELLULAR	LTE Cat-M1, NB-IoT LTE-FDD Bands : 1/2/3/4/5/8/12/13/17 /18/19/20/25/26/28 LTE-TDD B39 (For Cat.M1 only) GSM: 850/900/1800/1900 Integrated high-performance antenna	ELECTRICAL	Operating Voltage: 8V – 36V Over voltage protected Over current protected w/ resettable fuse Power Consumption: GPS Acquisition : ~ 48mA @ 12V GPS Tracking/Reporting : ~ 74mA @ 12V Sleep mode : < 1mA @12V
GNSS	GPS, GLONASS, Beidou & Galileo Tracking Sensitivity : -161 dBm Acquisition Sensitivity : -146 dBm Location Accuracy : < 2.5CEP	BLUETOOTH	BLE 5.0, low power consumption
BATTERY INFORMATION	Type : Li-ION Capacity : 80mAh @ 3.7V Battery Life: Up to 4hours @ hibernation mode, 1 report per hour. (depends on the LTE signal strength and how many reports per hour)	PHYSICAL	Dimensions: 85.5 x 47.5 x 12.5 mm Internal Cellular and GPS Antennas Weight : ~80g
ENVIRONMENTAL	IP67 Rating Operation Temperature: -30°C to +75°C without Battery Operation Temperature: -20°C to +60°C With Battery Storage Temperature: -40°C to +85°C	INTERFACE CONNECTORS	Cable Harness: 10-Pin built-in flat cable PWR, GND (*2) UART (RX/TX) (*2) I/Os: Ignition, starter inhibit (Sink current 500mA Relay driver) and GPIOs (*6)
		APPROVALS OR IN PROCESS	FCC 47 CFR Part 22, and Part 24 PTCRB & Carrier Approved

*Data plan may be required. Coverage subject to network availability.

**Battery life may vary depending upon coverage and/or number of connected devices.

For support information: support@atel-usa.com

Visit our website: www.atel-usa.com

Specifications are subject to change. Please see your ATEL contact for more details.

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