



AD20

Vehicle Insurance, Monitoring & Fleet Management

Maximize efficiency, Maximize risks, Manage assets.

The AD20 OBD tracker is a real-time vehicle tracking system designed for vehicle monitoring & tracking, fleet management, Insurance Industrial and more.

IT'S RELIABLE

With super small size (could be smallest in the market), AD20 is high-performance cellular tracking device, designed for vehicle monitoring, financing, vehicle tracking, fleet management or other application cases. With an integrated GNSS receiver, the AD20 includes an *LTE Cat-M* (or *NB-IoT*) modem, and BLE for wireless data communication. The built-in high-performance antennas for both cellular radio and GNSS receivers make installation easy. The super cap is used to improve reliability and as back-up power for short period of time.

IT'S SIMPLE

No programming skills required; the AD20 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, and geo-fence violations.

IT'S FUNCTIONAL

The AD20 interface supports standard CAN Bus interface. A built in 3-axis accelerometer enables motion detection and monitoring of driver behavior. An internal 10F supper capacitor allows for continuous operation when the device is disconnected from the main power.



HIGHLIGHTS

- Integrated cellular and GNSS antenna
- LED status indicators for GNSS & network registration
- Integrated accelerometer for monitoring vehicle status & driver behavior
- Standard CAN Bus interface
- BLE5.0, low power consumption
- Supper Capacitor for SOS reports
- SMS, UDP, TCP, FTP & MQTT
- Up to 16 Geo-fences (Polygon & Circle)
- Over the air configuration and software update
- Extended AT Command set for flexible & easy configuration
- Ultra-Small form factor with 16-pin OBD interface

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.

AD20 SPECIFICATIONS

A•TRACS™

CELLULAR	LTE Cat-M, 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 ^Ĝ 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 PHYSICAL Dimensions: 46 x 45 x 24 mm Internal Cellular and GPS Antennas Weight : ~80g
SENSOR	Accelerometer : 3x	INTERFACE CONNECTORS	Standard 16-Pin OBD connector
SOS BACKUP POWER	Type : Supper Capacitor, 10F @2.7V Work time: Support more than 1 report after the main power disconnect	APPROVALS OR IN PROCESS	FCC 47 CFR Part 22, and Part 24 PTCRB & Carrier Approved
ENVIRONMENTAL	Operation Temperature: -30°C to +75°C Storage Temperature: -40°C to +85°C		

*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

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