



ANS1600B GPS TRACKER **BUILT TO OUT PERFORM**

The ANS1600B is a real-time vehicle tracking system designed for vehicle recovery, fleet management, and more...



IT'S RELIABLE

The ANS1600B is ultra-thin and durable. Designed for high performance cellular tracking, it works great for vehicle financing, vehicle tracking, lot management, theft recovery and other fleet applications. With an integrated GNSS receiver, the ANS1600B includes an LTE Cat-M modem for wireless data communication. The built in high performance antennas, for both the cellular radio and GNSS receivers, make installation easy.

IT'S SIMPLE

No programming skills required; the ANS1600B 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 ANS1600B interface supports external terminals and devices through serial communication, as well as, IO options dedicated to ignition, starter inhibit and buzzer. With a built in 3-axis accelerometer, motion detection and monitoring of driver behavior can be enabled. The 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.

ANS-1600B HIGHLIGHTS

- ✓ **LTE Cat-M1**
- ✓ **Integrated cellular and GNSS antenna**
- ✓ **LED status indicators for GNSS and network registration**
- ✓ **Integrated accelerometer for monitoring vehicle status & driver behavior**
- ✓ **I/O options for starter inhibit, ignition, and buzzer**
- ✓ **BLE 5.0 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 and easy configuration**



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CONNECTIVITY

- ✓ LTE Cat-M1
- ✓ Sequans Module GM02S+ GNSS
- ✓ LTE-FDD Bands: 1/2/3/4/5/8/12/13/17/18/19/20/25/26/28
- ✓ Integrated high performance antenna GNSS
GPS, GLONASS, Beidou & Galileo
- ✓ Tracking Sensitivity : -161 dBm
- ✓ Acquisition Sensitivity : -146 dBm
- ✓ Location Accuracy : < 2.5CEP

BATTERY INFORMATION

- ✓ Type : Li-ION
- ✓ Capacity : 80mAh @ 3.7V
- ✓ Battery Life : Up to 4hrs. @ hibernation mode, 1 report per hr. (depends on the LTE signal strength and how many reports per hr.)

POWER MANAGEMENT

- ✓ Operating Voltage: 8V - 32V
- ✓ Over voltage protected
- ✓ Over current protected with resettable fuse
- ✓ GPS Acquisition : ~ 48mA @ 12V
- ✓ GPS Tracking/Reporting : ~ 74mA @ 12V
- ✓ Sleep mode: < 1mA @12V
- ✓ Hibernation mode: < 400uA @12V

ENVIRONMENT

- ✓ Operation Temp: -30°C to +75°C w/out Battery
- ✓ Operation Temp: -20°C to +60°C w/ Battery
- ✓ Storage Temp: -40°C to +85°C

ANS-1600B MAIN SPECS

PHYSICAL

- ✓ Size: 93.0 x 51.0 x 15.3 mm
- ✓ Weight : ~80g
- ✓ Enclosure: IP40

BLUETOOTH

- ✓ BLE 5.0, low power

INTERFACE

- ✓ IOs connector: 2.5mm pitch 8-Pin connector
- ✓ PWR, GND (*2), UART (RX/TX) (*2)
- ✓ I/Os : Ignition, starter inhibit (Sink current 500mA Relay driver) and GPIOs (*4)

APPROVALS

- ✓ FCC
- ✓ PTCRB & Carrier Approved

