

2DS SERIES

GPS ASSET TRACKING & MONITORING SYSTEM



Track anything from anywhere in the world with our long-life battery powered, GPS tracker

Our hardware, software, and data solutions allow you to know where your equipment is at all times. This saves you time and money, and reduces down-time from non-usage, idle time, and repairs.

Designed as a turnkey tracking solution our hardware, web portal, and data connection, is a tightly integrated system that will monitor your assets around the clock.

Tracking is easy; simply log into our user-friendly web portal on your PC, smartphone, or tablet and you'll immediately see the dashboard. Here you will see your asset critical details, such as location history, alarms, temperature, runtime, battery life, etc.

If an asset is stolen or moved from its geofenced location, your tracker will change from asset management mode to alarm mode in order to

facilitate recovery. In alarm mode, the tracker can ping as often as every 15 seconds.

Our long-life battery powered GPS devices, are self-contained, self-powered asset management and monitoring tools, specifically designed for discrete tracking.

We manufacture and develop the entire system in-house. These capabilities, combined with our team of experienced software, mechanical, and electrical engineers, enable InventureTrack to provide customers with application-specific products with unique design and solution-based features.



Product Types

Our ultra flexible platform allows thousands of possible hardware combinations. The base exists in three variations. The IT, TRK and WG prefix specify different base functionalities.

IT2DS

This is our legacy model type. It offers enhanced assisted GPS and is only available in CDMA. This pairing provides exceptional location acquisition. With this model type users may connect a variety of sensors to monitor relevant metrics.

TRK2DS

This model type offers Bluetooth functionality and comes in either GSM or CDMA. Using Bluetooth Low Energy, this model types can connect to our proprietary Bluetooth Beacons¹. Users may connect a variety of sensors to this model type and monitor relevant metrics. Additionally, users may connect a variety of sensors to the BLE Beacons and collect data wirelessly via bluetooth, then have the TRK6R transmit that data over a cellular network.

WG2DS

Like the previous model type, this one also offers Bluetooth functionality and allows users to connect Beacons and sensors but only comes in a WiFi configuration. Unlike our GPS/Cellular enabled devices, this model type transmits data strictly over a WiFi Network.

Available Sensors

We offer a wide variety of sensors to monitor critical equipment data from our web portal.

For added flexibility, we can connect nearly any sensor to our platform.

- Accelerometer
- Thermistor
- Humidity/Temperature
- Open/Close
- Runtime
- Light
- Float Switch
- Tamper

¹ For information on our Bluetooth Beacons please refer to the BLE Beacon Product Datasheet.



Specifications

General

Communication Modes

GSM/GPRS/EDGE

UMTS/HSPA+

CDMA2000 1xEV-DO Rev A

Location Technology

32 channel GNSS & A-GPS

Operating Voltage

3.7 volt internal battery pack

GNSS

Frequency Band

GPS/QZSS L1

GLONASS L1 FDMA

Galileo E1

SBAS: WAAS, EGNOS, MSAS

Tracking Sensitivity: -162dBm

Acquisition Sensitivity: -146dBm

Acquisition time

Cold start: < 35s

Hot Start: 1s

Environmental

Temperature

Operating: -20° to +60° C

Charging: 0° to +45° C

Humidity

95%RH @ 50° C non-condensing

Shock and Vibration

SAE J1455

EMC/EMISAE J1113

FCC-Part 15B

Electrical

Operating Voltage: 3.7V internal battery

Power Consumption

Sleep: <100 μ A

Awake: 100 mA

Cellular

Data Support

GPRS/EDGE

UMTS

HSPA+

CDMA 1xRTT

CDMA 1xEV-DO Rev A

Operating Bands (MHz)

GSM/GPRS: 850/900/1800/1900

HSPA/UMTS: 800/850, AWS1700, 1900

CDMA2000 1xEV-DO Rev A: 800/1900

Transmitter Power

GSM/GPRS/EDGE:

33 dBm @ GSM 850/900

30 dBm @ GSM 1800/1900

27 dBm @ EDGE 850 / 900

26 dBm @ EDGE 1800/1900

UMTS / HSPA: 24 dBm

CDMA 1x / 1xEV-DO Rev A: 24.4 dBm

Battery Pack

Battery Capacity: 8 - 38 Ah

Battery Operating Voltage: 3.6V - 14.4V

Battery Type: LiSOCl₂

Physical

Dimensions (LxWxH)

3.6in x 3.3in x 2.1in

92mm x 84mm x 54mm

Weight: 11.2 oz | .7 lb | 317 g

SIM Access: Internal

Certifications

FCC, applicable carriers

Mounting

Screw Mount

100lbs. Magnet (optional)