

Intellia Asset GPS Tracker INT-ALT-01

The first low cost, low power tracker, with expansion capabilities.

The only IoT device in the world that has customers in 32 countries. Wherever there is Sigfox network coverage, there is a Intellia Asset GPS Tracker. Proven and tried over the last two years, in a variety of applications and environmental conditions, the Intellia Asset GPS Tracker INT-ALT-01 the trailblazer that pushed the IoT revolution forward.



SPECIFICATIONS

Connectivity	Sigfox or NB-IoT, Wi-Fi, Bluetooth
Sensors	Temperature; Accelerometer; (Optional: GPS, External Temperature sensor)
Expansion	24 pins header - Breakout board - SDK
Batteries	2 x AA Alkaline / Lithium / Rechargeable Lithium
Dimensions	L: 92mm; W: 35mm; H: 26mm
IP Certification	IP65
Sigfox Regions	Available for RCZ1 RCZ2 RCZ4

*Available Now

VERSIONS

External Temperature Sensor
GPS
NB-IoT

MAIN APPLICATIONS

Logistics



Refrigerated Equipment Monitoring



High Value Assets Tracking



Intellia Asset GPS Tracker INT-ALT-01

MULTI-FUNCTIONAL DEVICE WITH SIGFOX CONNECTIVITY

Intellia Asset GPS Tracker is composed by multi-purpose boards and connected to a cloud based device management platform and a geolocation tool. The multi-purpose module, can be used as a motherboard or a daughterboard (allowing to connect a variety of sensors). The geolocation is possible by combining the signal strength and location of Wi-Fi and SIGFOX base stations to determine its position. As a standalone board it can act as Geolocation device, with Temperature sensor, Motion Sensor and Magnetic sensor.

TECHNICAL SPECIFICATIONS

Daughterboards

The mini-boards have access to all of the pins in a 25mmx24mm form factor.

The 3.3V power supply to the mini-board can handle up to 200mA.

The mini-board architecture is open spec, enabling anyone to develop mini-boards, so long as they remain compliant to the specifications.

The mini-boards may be handled by generic drivers, or with fully customizable routines as an extension to it's firmware.

Module

Intellia Asset Board can work as a standalone Sigfox device or can be mounted on top of already existent systems in order to provide connectivity.

Device Management

Intellia Asset devices are managed in a cloud platform (Intellia) where firmware, configuration and parameters are kept for each and every device.

Wi-Fi & Geolocation

With 802.11 b/g/n support, the Intellia board enables geolocation of objects with low power consumption.

This feature enables it to perform firmware upgrades and a local Bluetooth interface, to configure and manage the device.

WEIGHT

25,4 g (without batteries)

OPERATING TEMPERATURE

-30°C to +85°C

SIGFOX ETSI

Output power: Class 0 - 14 dBm

Rx Sensitivity: -126 dBm

Uplink Frequencies : 868.1 MHz to 869.5 MHz

SIGFOX FCC

Output power: Class 0 - 22 dBm

Rx Sensitivity: -126 dBm

Uplink Frequencies: 902.2 MHz to 920.8 MHz

MORE SENSORS

WiFi 802.11b/g/n transceiver

Bluetooth

Button & LED indicator

INPUT VCC

From 2.2 V to 5.5 V

POWER CONSUMPTION

Sleep: 18uA

Running: 15mA

Transmitting: 75 mA (-6 sec) ETSI, 180 mA (-2 sec) ETSI

EXTERNAL INTERFACES

2 Analog IO lines

8 Digital IO lines

UART / Serial Port (AT commands available)

SPI / I2C / 1-Wire Support

3.3V input / output

Power control

SDK AND API

All product features are made available through the API, enabling the fast development of applications. The Development Kit and SDK provide the tools to extend and customize the functionalities of the device.

CERTIFICATIONS

RoHS compliant