

Advanced-NG

Sophisticated tracking and monitoring device



Advanced-NG is designed to respond to a wide range of tracking and asset tracking application. This tracking devices benefits from the highest quality components and ensures maximum reliability and a very long life-cycle. The new ISM900 communication interface is powering the advanced features for Active RFID applications.

KEY FEATURES:

- Tracks real-time vehicle location, speed and heading 24/7.
- Internal antennas and battery backup in case of driver tampering or stolen vehicle.
- Starter Disable — remotely disables vehicle ignition
- Monitor Driver Behavior—built-in accelerometer for detecting harsh driving including braking, jack-rabbit starts, and cornering
- Driver ID – allows driver validation using Dallas ID key fob



Advanced-NG - Main Specifications

CPU	Type Memory	ST ARM Cortex-M3 Static RAM 128kb ROM: 34 kb
Power	Power Voltage Range Consumption	8v-36v (supported in same unit) 3mA in low power mode up to 120mA in working mode can reach up to 300mA if battery is charged
Cellular Communication	GSM/GPRS - default Optional Modems Antenna type Data channels Protocol	Quad Band (850, 900, 1800, 1900) UMTS/HSPA+, CDMA/1xRTT/EV-DO, LTE Built-in (concealed) SMS & TCP/IP Propriety – encrypted
Location	Type Time to First Fix (TTFF) Positioning Accuracy Antenna type	GPS, GLONASS (optional) 1 sec (hot start) 2.5m CEP (50%) Velocity: 0.2m/s (50%) Built in (concealed)
COMM Port	Type Speed	RS232 115,200bps (default)
I/Os	Digital Inputs Digital Outputs Analog Inputs Pulses Counter CANBUS	Max 8 Max 4 Max 3 Max 1 Included
Accelerometer	Type Purpose	3-Axis, 20 mg accuracy, up to 8g Identify and report events of impact and accident
Alarm System	Immobilizer Disarming Options	External – Gradual Stop Key Pad, Dallas Key, Remote Control, RF Keypad
Dimensions	Size Weight	22H x 51W x 102L (mm) 150 (grams) 5.29 (Oz)
Environmental	Operating Temp Storage Temp Humidity	-40°C (-40°F) to +60°C (140°F) -40°C (-40°F) to +85°C (185°F) Max 90%