

TRACK-B002

ADVANCED PLUG AND TRACK DEVICE WITH BLUETOOTH

TRACK-B002 is ultra-small OBDII Plug and Play device with GNSS, GSM, BLE 4.0 connectivity CAN bus data reading capability. It is a perfect tracker for a wide range of use cases - including fleet management of light commercial vehicles, driver log-book, insurance telematics (UBI), car rental & leasing and others. Main feature of TRACK-B002 is OBDII standard data reading from vehicles on-board computer. Combined with effortless, low cost integration it becomes easy and powerful solution. Device supports various Bluetooth Low energy sensors, beacons, hands-free headset, firmware and configuration update via Bluetooth.

Last, but not least – device is only 50% of a size of its predecessor TRACK- B001 device. Much smaller, yet with enriched feature set, TRACK- B002 is an obvious choice for your OBD application!



Our smallest GNSS tracker for simple connected car applications



Crash detection according to accelerometer data



Bluetooth for external devices and Low Energy sensors



Allows reading CAN bus data from vehicle ECU



USE CASES



FLEET
MANAGEMENT



DRIVER
LOG-BOOK



INSURANCE
TELEMATICS (UBI)



CONNECTE
D CAR



RENTAL AND
LEASING


Module

Name	Track2IoT TM2500
Technology	GSM/GPRS/GNSS/BLUETOOTH

GNSS

GNSS	GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS, AGPS
Receiver	33 channel
Tracking sensitivity	-165 dBm
Position accuracy	< 2.5 CEP
Velocity accuracy	< 0.1m/s (within +/- 15% error)
Hot start	< 1 s
Warm start	< 25 s
Cold start	< 35 s

Cellular

Technology	GSM
2G bands	Quad-band 850/900/1800/1900 MHz
Data transfer	GPRS Multi-Slot Class 12(up to 240 kbps)
Data support	SMS(text/data)

Power

Input voltage range	12 – 30 V DC with overvoltage protection
Back-up battery	3.7 V 45 mAh

Bluetooth

Specification	4.0 + LE
Supported peripherals	Temperature and Humidity sensor, Headset, Inateck Barcode Scanner, Universal BLE sensors support

Physical specification

Dimensions	52.6 x 29.1 x 26 mm (L x W x H)
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Interface

Connection	OBDII Socket
GNSS antenna	Internal High Gain
GSM antenna	Internal High Gain
USB	2.0 Micro-USB
LED indication	2 status LED lights
SIM	Nano-SIM

OBD Interface

Data	K-Line, CAN bus data
Data reading	<p>Up to 32 vehicle onboard parameters, supported OBD protocols:</p> <p>SAE J1850 PWM (41.6 kbaud)</p> <p>SAE J1850 VPW (10.4 kbaud)</p> <p>ISO 9141-2 (5 baud init, 10.4 kbaud)</p> <p>ISO 14230-4 KWP (5 baud init, 10.4 kbaud)</p> <p>ISO 14230-4 KWP (fast init, 10.4 kbaud)</p> <p>ISO 15765-4 CAN (11 bit ID, 250 kbaud)</p> <p>ISO 15765-4 CAN (11 bit ID, 500 kbaud)</p> <p>ISO 15765-4 CAN (29 bit ID, 250 kbaud)</p> <p>ISO 15765-4 CAN (29 bit ID, 500 kbaud)</p>

Operating environment

Operating temperature (without battery)	-40 °C to +85 °C
Storage temperature (without battery)	-40 °C to +85 °C
Operating humidity	5% to 95% non-condensing
Ingress Protection Rating	IP41
Battery charge temperature	+10 °C to +45 °C
Battery discharge temperature	-20 °C to +60 °C
Battery storage temperature	-20 °C to +45 °C for 1 month -20 °C to +35 °C for 6 months

Features

Sensors	Accelerometer
Scenarios	Green Driving, Over Speeding detection, Jamming detection, GNSS Fuel Counter, Excessive Idling detection, Unplug detection, Towing detection, Crash detection, Auto Geofence, Manual Geofence, Trip
Sleep modes	GPS Sleep, Online Deep Sleep, Deep Sleep, Ultra Deep Sleep
Configuration and firmware update	FOTA Web, FOTA, Teltonika Configurator (USB, Bluetooth), FMBT mobile application (Configuration)
SMS	Configuration, Events, Debug
GPRS commands	Configuration, Debug
Time Synchronization	GPS, NITZ, NTP
Fuel monitoring	OBDII
Ignition detection	Accelerometer, External Power Voltage, Engine RPM