

4G Wired I/O Tracker

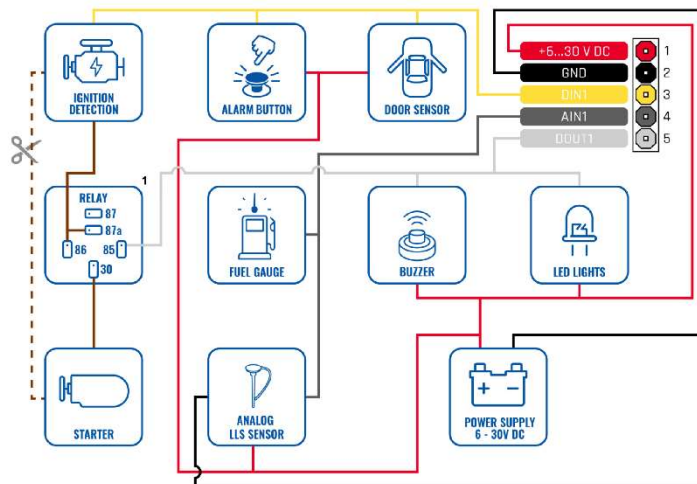
Table 1 Pinout

PIN NUMBER	PIN NAME	DESCRIPTION
1	VCC (6-30)V DC (+)	(Red) Power supply (+6-30 V DC)
2	GND (-)	(Black) Ground
3	DIN1	(Yellow) Digital input, channel 1. DEDICATED FOR IGNITION INPUT
4	AIN1	(Grey) Analog input, channel 1. Input range: 0-30 V DC
5	DOUT1	(White) Digital output. Open collector output. Max. 0,5 A DC.



The easiest way to wire this tracker is to connect the red **Red+** to live power and **Black-** negative to ground.

Ignition detection can be added by linking Din1 to ignition input or by linking VCC power to the ignition line and the tracker will detect the increase in voltage.



Once it is connected up ok the green lights will start flashing on the device.



4G Wired i/o Tracker Specification

Technology LTE Cat 1 /GSM/GPRS/GNSS/BLUETOOTH

GNSS

GNSS GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS, AGPS

Receiver 33 channel

Tracking sensitivity -165 dBm

Accuracy < 3 m

Hot start < 1 s

Warm start < 25 s

Cold start < 35 s

Cellular

Technology LTE Cat1,GSM

2G bands B2/B3/B5/B8

4G Bands B1/B3/B7/B8/B20/B28

Data transfer LTE: Max 10Mbps

GSM:GPRS Max 85.6kbps

Power

Input voltage range 10 - 30 V DC with overvoltage protection

Back-up battery 170 mAh Li-Ion battery 3.7 V (0.63 Wh)

Bluetooth

Specification 4.0 + LE

Supported peripherals

Temperature and Humidity sensor, Headset, OBDII dongle, Inateck Barcode Scanner, Universal BLE sensors support

Physical specification

Dimensions 79 x 43 x 12 mm (L x W x H)

Weight 54g

Interface

GNSS antenna Internal High Gain

Cellular antenna Internal GSM High Gain

USB 2.0 Micro-USB

LED indication 2 status LED lights

SIM Micro-SIM

Memory 128MB internal flash memory

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 IP54

Battery charge temperature -0 °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 and gyroscope

Scenarios

Unplug detection, Towing detection, Crash detection

Sleep modes GPS Sleep, Online Deep Sleep, Deep Sleep, Ultra Deep Sleep

Configuration and firmware

update

GPRS commands Configuration, Debug

Time Synchronization GPS, NITZ, NTP

Fuel monitoring OBDII dongle

Ignition detection Accelerometer, External Power Voltage, Engine RPM (OBDII dongle)

Certification & Approvals

Regulatory CE/RED, EAC, REACH, RoHS 2 Year Warranty Made in The EU