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ENAiKOON locate-04
Remote controlled tracking and monitoring

ENAiKOON locate-04 was designed to collect and transmit basic data of trackables, like cars, trucks, construction equipment, trains, busses, boats, etc, at the lowest possible price.

The device provides the following data:

- GPS position, heading direction of motion, speed
- voltage of the internal battery
- timestamp
- serial number
- 2 digital inputs (e.g. for ignition, operating hours, battery charge monitoring, etc.)
- 1 digital output (e.g. for immobilisation of a stolen vehicle and as a backup digital input)
- voltage of the external power supply can detect ignition on / off
- internal 560mA/h rechargeable battery used to operate the device temporarily without an external power supply

The device is equipped with a quad-band GSM modem with GPRS and SMS support, as well as a 65 channel GPS receiver with high sensitivity. With the precision of only a few metres it can locate any trackable globally.

The functionality of the device offers the user a wide range of possibilities to monitor mobile properties and provide a substantial contribution to your company's bottom line, through the device's extensive integration capabilities.

Standard Features

GPS - precise information about the current location of the trackable

GPRS - fully supported, cost-effective dedicated line to the internet

Data, firmware, and configuration parameters can be individually modified by the user for each device, either through the built-in serial interface and a configuration utility or via the internet (wireless network)

The following ENAiKOON applications are designed to complement this device perfectly

- **inViu pro**
  internet telematics portal for professionals with comprehensive trackable data reporting capabilities: location, route, monitoring and alarming of fuel theft / consumption and thresholds, CAN data analysis, and reports with all black boxes, trackers, and GPS enabled smartphones together
- **inViu web**
  GPS location cost-effective entry level solution: real-time display of positions on an OpenStreetMap© map, geofence monitoring and alerting, etc.
- **inViu touch**
  software suite for smartphones: current location of the mobile phone, map showing the position of trackables directly on the phone, route planning, reading and transmission of NFC TAG data, etc.
- **ENAiKOON DGPS-enabler**
  the server component for all users who are dependant on an increased accuracy of GPS coordinates
- **ENAiKOON M2M-commserver**
  an internet-based gateway for all communication tasks between tracking devices and any back-end application

A powerful configuration tool

The ENAiKOON locate-04 tracking device can be adjusted quickly and easily to the specific requirements of each application. The minimum requirements: a PC, a serial cable, and the free-of-charge ENAiKOON locate-04 configuration tool.

With the use of this tool, complicated and time consuming programming of the devices can be avoided.

Instead, with a few clicks of the mouse in the configuration tool, the device will be ready to perform its assigned tasks

The configuration of the device can be changed wirelessly at any time, regardless of its location.

Connectors

- Power supply, input / output
  Molex 43045-2412
- GSM antenna (mobile radio)
  SMA (f)
- GPS antenna (satellite tracking)
  SMA (f)

Features

- Telit quad band GSM module
  - GPRS support (class 10)
  - text message (SMS) support
- SkyTraq 65 channel parallel GPS receiver, low power
- rechargeable battery, 560 mA/h
- standard SIM card reader, suitable for 1.8 V and 3 V SIM cards
- 2 digital inputs for ignition, door contacts, etc.; protected against wrong polarity and short circuit
- 1 digital output (200 mA); can also be used as digital input
- 1 digital input / output, 3 V
- 1 serial port (for device configuration)
- memory for approximately 6,000 positions and status messages
- 3 LEDs for GSM / GPS / POWER
- durable black aluminium housing:
  100 x 67 x 20 mm (3.94 x 2.64 x 0.79 in)
- weight: 145 g (5.12 oz.)
- operating temperature:
  -30 °C to +60 °C (-4 °F to +140 °F)
- battery recharging only possible above 0 °C (32 °F); data transmission possible only with an operational battery
- power supply 6 V to 31 V DC, with software supervision
- 1-Wire port for iButton reader
- vibration sensor by G-force sensor for low-power operation
- power supply for peripheral devices:
  3.5 V to 4.2 V, max. 250 mA
- high performance low power modes with a variety of configuration options < 5 mW in standby mode
- software update possible via the serial port of the device or wirelessly via GPRS
- combined GSM / GPS window antenna
- power and signal cables
- E4-tested according to 95/54/EC

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Products and prices

Product	Part no.	Product description	Price
ENAiKOON locate-04 complete package	LOC-09-04	Basic device GPS / GPRS ● tracking device ● GSM / GPS window antenna ● connection cable (power supply and I/O) ● backup battery 560 mA/h ● 1-wire connector for ENAiKOON driver-id ● configurable	€ 149.00
ENAiKOON device setup	M2M-09-01	Device setup ● activation and unlocking of the SIM card ● insertion of the SIM card into the device ● software configuration and installation on device ● production of harness according to customer needs ● device configuration ● registration with the ENAiKOON M2M-commserver ● registration with inViu pro / web ● full functional test of the device ● full functional test with inViu pro / web (must be ordered along with the device)	€ 69.00

Accessories

Product	Part no.	Product description	Price
ENAiKOON rechargeable battery	ZUB-09-22	Internal rechargeable battery, 560 mA/h, with charging circuit	€ 19.90
ENAiKOON IP66 housing	ZUB-09-25	Waterproof housing, synthetic material, IP66 including installation of the electronics and the antennas into the housing	€ 49.90
ENAiKOON antenna-16	ANT-09-16	Combined GSM / GPS roof antenna, with 3 m (9.84 ft) cable	€ 89.90
ENAiKOON accessory-21	ZUB-09-21	Serial cable 2 m for the configuration of the ENAiKOON locate-04 with a PC	€ 38.90
ENAiKOON accessory-23	ZUB-02-23	Alert button for surface mounting	€ 39.90
ENAiKOON accessory-24	ZUB-02-24	Illuminated alarm button 8.1 mm (0.32 in) with lamp	€ 16.90
ENAiKOON accessory-26	ZUB-02-26	12 V power adapter allows to operate ENAiKOON locate-04 with 220 V AC	€ 39.90

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