ENAiKOON

ENAiKOON
inmarsat-locate-30

Integrated M2M / GPSR / GPS / Inmarsat wireless controller

ENAiKOON inmarsat-locate-30 is a dependable and cost-efficient inmarsat IsatData Pro and GPRS wireless controller with a GPS receiver.

ENAiKOON inmarsat-locate-30 sets the standard for reliable asset tracking and management systems at low over all total costs. The ENAiKOON inmarsat-locate-30 ensures that your applications are delivered with the lowest cost message routing. It uses GPRS, while your trackables are within cellular coverage and will automatically switch to inmarsat IsatData Pro satellite service, when out of the coverage area, maintaining a critical life-line link to your trackables. Assets moving globally are visible and reachable at all times for your business operation.

ENAiKOON inmarsat-locate-30 is a compact device with quad-band GPRS and inmarsat IsatData Pro satellite transceivers, GPS, discrete input / output feeds, and a programmable controller. The device is configurable to report its position by time, distance, geofence, or any other criteria to meet your specific application needs.

A single device and interface with both GPRS and inmarsat IsatData Pro networks, eliminates many additional components and integration issues, allowing you to build more concentrated solutions, while saving time and money.

Standard Features

GPS - precise information about the current location

GPRS - fully supported, cost-effective internet access

Inmarsat - economical surveillance and location monitoring in places where there are no cellular networks

Complementary ENAiKOON applications:

- 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 enabled smartphones
- inViu web
  GPS location cost-effective entry level solution: realtime display of positions on an OpenStreetMap© map, geofence monitoring and alerting, etc.
- inViu routes
  software for Android smartphones: allows to see the current location, driven routes and many more information of your ENAiKOON inmarsat-locate-30 device in real time
- ENAiKOON fuel-tracker
  Up to four 1-Wire ultrasonic sensors for monitoring the fuel level; allows detecting fuel theft in real time even if the engine of the vehicle is off
- ENAiKOON temp-sensor
  Up to four 1-Wire temperature sensors for monitoring the temperature of goods, of the engine, the ambient temperature and many more
- ENAiKOON limit-checker
  software designed to help you set threshold values and customised alerts for an optimised vehicle and equipment maintenance program
- staff-tracker
  helps you with the management of your mobile employees by facilitating their performance reviews while giving employers the ability to process the data collected for payroll and accounting purposes

Applications

GPS reporting enables asset tracking for fleet management and security. With its low profile design, the ENAiKOON inmarsat-locate-30 is compact and inconspicuous for hidden installations. Combined with built-in alert capabilities, your assets will operate more efficiently and with lower risks. When strategically used, this device can improve to your bottom line significantly.

The logistical issue of trucks, construction machines, and containers travelling cross-country, ships entering in and out of ports and along coastlines, and land vessels that follow along rivers, borders, and valleys are constantly moving in and out of cellular coverage. No matter where your trackables travel, the ENAiKOON inmarsat-locate-30 keeps you connected with Inmarsat's global and seamless network services.

A most cost efficient feature of the ENAiKOON inmarsat-locate-30 is the automatic switch feature to M2M "exception mode", when your trackables have moved out of cellular range. Within cellular coverage, your application sends frequent low cost updates using GPRS. However, when your trackables travel outside the GPRS zones, the device will automatically switch to the "exception mode" and send only critical updates when necessary.

ENAiKOON inmarsat-locate-30 works with Inmarsat's unique Versa™ multi-protocol gateway to provide a single, easy-to-use interface to both GPRS and M2M networks. A single point of contact with ENAiKOON for both GPRS and inmarsat IsatData Pro networking means a high level of dependability, performance, and satisfaction.

Features

Physical

- **Size**
  transceiver — 178 x 113 x 37 mm (7.0 x 4.48 x 1.46 in)
  satellite antenna — 126 x 93 x 25 mm (4.9 x 3.66 x 0.98 in)

- **Weight**
  transceiver — 244 g (8.62 oz.)
  satellite antenna — 379 g (13.39 oz.)

Environmental

- **Operating**
  transceiver (in-cab) — -25 °C to +85 °C (-13°F to +185°F)

- **Temperature**
  satellite & GPRS antennas — -40 °C to +85 °C (-40 °F to +158 °F)

- **battery temperature** — -20 °C to +60 °C (-4 °F to +42 °F)

- **humidity** — 95 % relative humidity at +30 °C (+86 °F)

- **Dust & water ingress**
  transceiver (in-cab) — IP54
  satellite antenna — IP67

- **vibration** — 5 - 20 Hz; 1.92 m2/s3 random noise
  20 - 500 Hz; -3 dB octave random noise

- **shock (survival)** — half sine 6 ms, 300 m/s2 (328 yd/s2)

Electrical

- **input voltage** — 9 V to 32 V DC

- **Mating connector**
  transceiver I/O — JAE IL-AG5-30S-D3C1
  satellite antenna — Fakra FAI-NARP-PCB-M
  GSM/GPRS antenna — SMA (f)

External Interfaces

- **Inputs / Outputs** — 4 analog / digital inputs
  7 digital inputs
  1 ignition detect input
  5 digital outputs

- **Serial** — RS 232 / RS-485 / CAN-bus / 1-Wire

Satellite

- **frequency** — Rx:1.525.0 to 1.559.0 MHz
  Tx:1.626.5 to 1.660.5 MHz

- **EIRP** — <7.0 dBW

- **elevation angle** — 20 to 90 degrees

- **GPS** — 16 channels; 1.575.42 MHz

- **accuracy** — 2.5 m (8.2 ft) CEP

GSM /GPRS

- **HSPA frequencies** — 800/850/900/1900/2100 MHz
- **GPRS frequencies** — 800/900/1800/1900 MHz

ENAiKOON

Package contents

- ENAiKOON inmarsat-locate-30 tracking unit
- power supply cable
- all antennas

Products and prices

Product	Part no.	Product description	Price
ENAiKOON inmarsat-locate-30	INM-15-06	GSM / GPRS / Inmarsat / GPS tracking unit with external GPS, GSM, and Inmarsat antenna (including cable) with backup battery	€ 999
ENAiKOON device setup	M2M-03-01	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 the Inmarsat server ● 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)	€ 99
ENAiKOON accessory-26	ZUB-07-08	12 V power supply for usage of ENAiKOON inmarsat locate-30 with 220 V AC	€ 69
ENAiKOON inmarsat device setup	INM-04-07	Activation and initial configuration of the unit in the Inmarsat network	€ 149
ENAiKOON inmarsat airtime 500	INM-15-01	Inmarsat airtime data package up to 500 byte approximately 25 position transmissions monthly contract duration 24 month	€ 9.90
ENAiKOON inmarsat airtime 10000	INM-15-02	Inmarsat airtime data package up to 10,000 byte approximately 500 position transmissions monthly contract duration 24 month	€ 19.90
ENAiKOON inmarsat airtime 25000	INM-15-03	Inmarsat airtime data package up to 25,000 byte approximately 1,250 position transmissions monthly contract duration 24 month	€ 29.90
ENAiKOON inmarsat airtime 100000	INM-15-04	Inmarsat airtime data package up to 100,000 byte approximately 5,000 position transmission monthly contract duration 24 month	€ 79.90