



ENAIKOON inmarsat-locate-02

**Tracking, Remote Control and Engine Hours:
D+/GPRS/GPS Integrated Wireless Controller**

ENAIKOON inmarsat-locate-02 is a dependable, combined INMARSAT D+/GPRS wireless controller with GPS receiver.

ENAIKOON inmarsat-locate-02 sets the standard for reliable asset tracking and management systems at a low overall total cost. The ENAIKOON inmarsat-locate-02 ensures that your applications are delivered with lowest cost message routing using GPRS when your assets are in cellular coverage, automatically switching to Inmarsat D+ satellite service where necessary, maintaining a critical life-line link to your assets. Assets moving everywhere in the world are visible and reachable at all times by your business operations.

ENAIKOON inmarsat-locate-02 is a compact device with quad-band GPRS and Inmarsat D+ satellite transceivers, GPS, discrete input/output feeds and a programmable controller. Program the device to report its position by time, distance, geofence or any other criteria to meet your specific application needs.

A single device and interface to both GPRS and INMARSAT D+ networks eliminates many additional components and integration issues, allowing you to build more robust solutions while saving time and money.



Applications

GPS reporting enables asset tracking for fleet management and security. With its low profile design, the ENAIKOON inmarsat-locate-02 is compact and inconspicuous for covert installations. Combined with built-in alert capabilities, your assets will operate more efficiently and at lower risk. This means significant improvement to your bottom line.

Trucks and containers traveling across the country continually move in and out of cellular coverage - ships enter and leave ports and the coastline, and in-land vessels follow rivers along borders and through valleys. But no matter where your assets travel, the ENAIKOON inmarsat-locate -02 keeps you covered with INMARSATs global, seamless network services.

While in cellular coverage, your application can send frequent, cost-effective updates using GPRS. But while outside of cellular range, the inmarsat-locate-02 automatically switches to D+ 'exception mode', sending critical updates only when necessary.

ENAIKOON inmarsat-locate-02 works with INMARSATs unique Versa™ multi-protocol gateway to provide a single, easy-to-use interface to both GPRS and D+ networks so that your applications operate more efficiently. You can add new features more quickly, and get your applications up and running faster. A single point of contact with ENAIKOON for both GPRS and INMARSAT D+ networking means a high level of dependability, performance and satisfaction.

Highlights

The powerful software ENAIKOON v-locator inside the device allows the configuration of the device according to the particular needs of the user.

The device fits very well with the following ENAIKOON backend applications:

- **ENAIKOON fleet-control-web**
 The internet based fleet management software for professionals
- **ENAIKOON MP-route**
 The interface between the ENAIKOON M2M commserver and the mapping application Microsoft® MapPoint®
- **ENAIKOON OSM-route**
 The interface between the ENAIKOON M2M commserver and the mapping application OpenStreetMap
- **ENAIKOON DGPS-enabler**
 The server component for all users who are dependent on an increased ac-curacy of GPS coordinates
- **ENAIKOON M2M-commserver**
 The internet-based gateway for all communication tasks between tracking devices and any backend application

Content of the Package

- ENAIKOON inmarsat-locate-02 tracking unit
- Cable for power supply
- All antennas

Feature List

Physical

Size: Transceiver: 155 x 124 x 41 mm (6.21 x 4.92 x 1.61 in)
 Satellite antenna: 127 x 93 x 23 mm (5 x 3.66 x 0.91 in)

Weight: Transceiver: 244 g (8.62 oz.)
 Satellite antenna: 379 g (13.39 oz.)

Environmental

Operating Temperature: Transceiver (In-cab): -40 °C to +85 °C (-40 °F to +185 °F)
 Satellite & GPRS antennas: -40 °C to +70 °C (-40 °F to +158 °F)

Storage Temperature: -40 °C to +80 °C (-40 °F to +176 °F)

Humidity: 95 % relative humidity at +30°C (+86 °F)

Dust & water ingress: Transceiver (In-cab): IP40/NEMA 1
 Satellite antenna: IP66/NEMA4X

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

Power Consumption (at 12 V DC):
 Idle: 500 mA
 GPRS mode: 1.9 W; max. 8.0 W
 Satellite mode:
 > receipt 1.4 W
 > transmission 10.0 W

Mating Connector: Transceiver I/O: JAE IL-AG5-30S-D3C1
 Satellite Antenna: Fakra FAI-NARP-PCB-M
 GSM/GPRS Antenna: SMA female

Satellite

Frequency: Rx: 1525.0 to 1559.0 MHz
 Tx: 1626.5 to 1660.5 MHz

EIRP: 9 dBW max.

Elevation Angle: 15 to 90 degrees

GPS: 16 channels; 1575.42 MHz

Accuracy: 3 m (3.28 yd) CEP; 5 m (5.47 yd) SEP

Products and Prices

Product	Part No.	Product Description	Price
ENAIKOON inmarsat-locate-02	INM-07-02	GSM/GPRS/Inmarsat/GPS tracking unit with external GPS-, GSM-, Inmarsat antenna incl. cable	849 €
ENAIKOON device setup	M2M-03-01	Registration of the device with the ENAIKOON M2M-commserver, installation of the software into the device, installation of the SIM card, fully functional test (must be ordered along with the device)	99 €
ENAIKOON accessory-26	ZUB-07-08	Power supply 12 V for usage of ENAIKOON inmarsat-locate-02 with 220 V AC	69 €



ENAIKOON GmbH
 Helmholtzstr. 2-9
 10587 Berlin
 Germany

Tel.: +49 30 / 39 74 75-30
 Fax: +49 30 / 39 74 75-43
info@enaikoon.com
www.enaikoon.com