



Naocell

Central communication module
cellular / RFID / 2.4 Ghz and GPS location
compatible with **naocom** solution



Non contractual picture

Presentation

The Naocell is a central communication module that connects with the Nano SPY mini data loggers and the SPY RFID sensors. It contains a Quadri-Band cellular modem allowing it to communicate with the Naocom application using the TCP/IP protocol. It is also capable of communicating with other mobile or fixed elements via SMS channels.

The Naocell tracks in real time the sensors within its range. These can be used to identify the driver of a vehicle or to locate the presence of goods on board a vehicle.

The Naocell can transmit such information to the Naocom application and/or trigger alarms on condition.

Benefits

- Simple and quick installation
- Monitoring and alert in real time
- Back up memory
- Operating and alarm lights
- Compatible with Nano SPY mini-data loggers

Real-time monitoring

The Naocell transmits all necessary information to the Naocom application at a predefined periodicity.

If the network is not available, the Naocell stores the data in an internal buffer log and transmits it to the application when the network is available again.

Real-time alarm

In case of event such as threshold excursion or POI crossing (ex: favorite address) the Naocell transmits an alert by SMS, email or notification in the Naocom interface.

The alarm transmission to the Naocom application is made via a TCP/IP communication session or SMS.

An additional alarm module can be connected to the output at the Naocell's back .

Geolocation

The highly sensitive GPS receiver module integrated to the Naocell allows to provide the geographical position of the monitored products, parcels and vehicles.

The GPS information can be transmitted to the Naocom application regularly or in case of event.

FT 10639 EN A

Technical features

Operating temperature range	-10°C to +55°C
Récepteur GPS	Hypersens receiver - Manages 20 GPS channels
Nominal voltage	5/12V
Functions	4 working conditions lights
Operating voltage	From 9V to 32V
Consumption at 12V	Hibernation mode: less than 1mA Communication mode: 80mA to 150 mA (depending on Hardware options)
Type of input and output	- 5 digital inputs - 4 open collector output - 2 universal inputs (0-12V/24 V)
Back up memory	48hrs with a recording frequency of 15 min
Case	Black colored - shock resistant, 3M polypropylene adhesive tape
Dimensions	90 x 135 x 34 mm with fixation : 90 x 170 x 34 mm
Weight	250 gr
Compliance	EN 301 489-1:2005 v1.6.1, 2004/104/CE Directive, EN 60950-1:2001
Supplied with	- 3 antennas : GPS, Cellular and RFID - Fast installation kit - User manual can be downloaded on www.jri-corp.com
Part nrs	- Part nr 10639: NaoCell GPS/GPRS/RFID - Part nr 10639 2 : NaoCell GPS/GPRS/RFID for Nano SPY - Part nr 12752: NaoCell GPS/GPRS/RFID with cigar lighter - Part nr 12753: NaoCell GPS/GPRS/RFID for fixed installation
Accessories	- IP67 protective case for NaoCell (Part nr 10643) - 220 V power supply for NaoCell (Part nr 10640) - Connecting cable for cigar lighter (Part nr 12761) - Long range RFID antenna (Part nr 12762) - NaoVisu cabin display (Part nr 10638)



Connectors at the NaoCell's back