



Nanocell

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



Non contractual picture

Presentation

The Nanocell is a central communication module that connects with Nano SPY and Nova SPY mini data loggers.

It contains a Quadri-Band cellular modem allowing it to communicate with the JRI-MySirius Mobility Module application using the TCP/IP protocol. It is also capable of communicating with other mobile or fixed elements via SMS

The Nanocell 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 Nanocell can transmit such information to the JRI-MySirius application and/or trigger alarms on condition.

Real-time monitoring

The Nanocell transmits all necessary information to the JRI-MySirius application at a predefined periodicity.

If the network is not available, the Nanocell 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 Nanocell transmits an alert by SMS, email or notification in the JRI-MySirius interface.

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

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

Benefits

- Simple and quick start up
- Monitoring and alert in real time
- Backup memory
- Status and battery level LEDs
- Compatible with Nano SPY and Nova SPY ranges

Geolocation

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

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

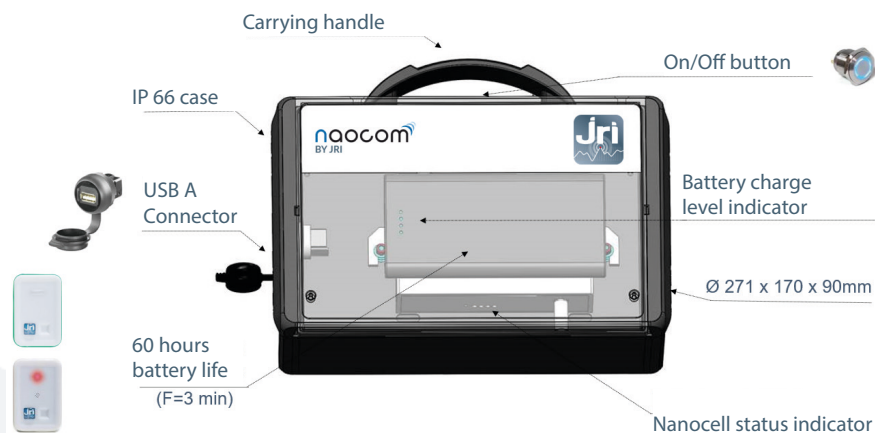
Geofencing

The geofencing function is available and can be configured from the JRI-MySirius Mobility Module.

Technical features

	Nanocell GPS/GPRS/2,4Ghz with power supply	Nanocell GPS/GPRS/2,4Ghz with cigar lighter	Nanocell 2G/LTE-M with autonomous pack IP66
Part nrs	13479	13480	13542
Operating temperature range	-10°C à +55°C		
GPS receiver	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 mn		
Case	White colored - shock resistant, 3M polypropylene adhesive tap	White colored - shock resistant, 3M polypropylene adhesive tap, IP66	
Battery	Rechargeable 9v battery	- Dual lithium battery with a total of 26,800 mAh (99.1Wh), - Protection function for overcharge, discharge, high temperature and short circuit	
Dimensions	With fixation : 90 x 170 x 34 mm	271 x 170 x 90 mm	
Weight	250 gr	600 gr	
Compliance	EN 301 489-1:2005 v1.6.1, 2004/104/CE Directive, EN 60950-1:2001		
Supplied with	- 2 antennas: GPS, Cellular - User manual on www.jri-corp.com		

Autonomous 2G/LTE-M Nanocell Pack



Benefits

- Designed to facilitate the user experience for :
 - Class 1 transportation
 - Transport outsourcing
 - Container roll mobility
 - Export
- Activation with on/off button
- 60 hours of operating time to simplify usage
- The ability to use the Nanocell while charging the battery for greater agility
- Protective shell for a long life of the material