

WIRTRACK[®] outdoor



Self operating GPS/GPRS unit in harsh condition

WIRTRACK[®] outdoor

is one of KerLink's ranges of Machine To Machine (M2M) interface unit. This beacon is designed to relay its position and information from external sensors.
Ce modèle est conçu pour le relevé et l'envoi de positionnement ou d'événements issus de capteurs.

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is a GPS/GSM/GPRS unit. The beacon can track vehicle or item of equipment (locomotives, wagons, containers, trailers, etc) sending the data to a centralised server.

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is powered by an internal lithium battery: it can transmit its position, time and events for several years.

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fits to the Wanesy[®] Network making programming and supervision easier.



Example of use: Transporting sensitive goods

A rail freight company monitors goods from the production site to delivery. The goods transported are sensitive to the transport conditions (temperature, humidity, impacts, etc). The information sent by the sensors is sent back to a central server. The company can then anticipate the condition of the goods even before they reach their destination. Each incident is date stamped and geolocated (GPS).



Example of use: monitoring containers

A transporter monitors his containers while they are travelling by road and by sea. Every day, the unit reads its position and stores it if no GPRS network is available. The data (time, position, event) is sent to a central server when connection is re-established. This enables the company to create a log of the containers' movements.

Assets	Advantages
Long life battery	Reduced operating costs
IP 67 – IK 8 consolidated case	Can be used in harsh conditions
Railway certification	Can be used on the European rail network
Connection via Kerlink's Wanesy M2M network	Easy to deploy and configure
Minimum power consumption	Extended life time
I/O upgradeable (optional connector)	External sensors can be plugged in

Technical features

- Powered by a lithium battery
- Autonomy up to 7 years (based on a GPS read every 50 minutes and a GPRS transmission per day)
- Localisation by a highly sensitive GPS. Geofencing.
- Built-in GPS/GSM/GPRS antennas
- Operating between -40°C and +85°C
- IP67-IK8 case – Size 138 x 80 x 60 mm – weight 465g
- Railway certification EN 50 155
- Optional: 1 external supply 11-38V, serial link RS-232, 1 input 0-24V, external wake up, 1 counter 100Hz, 1 output 0-3V 25 mA.



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