

SMART PERSONAL ASSET TRACKER

LRK1004-IBW



Product information

LRK1004-IBW Personal Tracker is a wearable device in badge holder shape, intended for workers tracking during outdoors construction activities even where no cellular coverage exists.

It is valid for any place even without cellular coverage. Has proprietary communications protocol IBW.

Device configuration is done from an application on the mobile phone. It is managed through a cloud platform and with the application it can be tracked from any device.



Technical specification

Physical	Dimension	90 x 60 x 17 mm
	Weight	60 gr
	Material	Polycarbonate / ABS with rubber seal IP 65
Battery	Voltage	DC 3,6V (Type ER14250, lithium) Rechargeable
	Standby consume	< 10 µA
Sensor	Accelerometer	3 axes, 12 bits
	Ambient light	(optional)
	Temperature	High accuracy (optional)
Positioning	Outdoor	GPS
Network	BLE	Version: 4.2 Sensitivity: -86 dBm
	IBW	Frequency: 868MHz Output power: up to -14dBm Sensitivity: up to 124 dBm
Memory	EEPROM	512 KB
Environmental conditions	Temperature operation	-45 ~ 85° C
	Humidity operation	95% RH

Features and benefits

- LRK1004-IBW allows implementation of safety policies by geo-fencing special areas and heights where only some workers are allowed.
- The built in accelerometer can detect shock events and help in potentially dangerous situations for the worker when used with appropriate management center applications and procedures.
- LRK1004-IBW reports GPS position and height periodically to the server. Server sends back to the device commands to buzz and vibrate when required.
- The device reports accelerometer, illumination and temperature events and measurements when limits are passed.
- LRK1004-IBW stops transmissions when left horizontal (like for charging) in order to optimize power
- Requires gateway.
- Battery powered, rechargeable.
- Low consumption and long life.

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