

- **IOT ENTERPRISE KIT**
 - – *ACCELERATING TIME-TO-MARKET IOT SOLUTIONS*
-
- JUNE 2018

Smart Parking

Remotely monitor your parking space with low power/long range sensors and a gateway to make the most of your parking space.



Includes

- LoRa Gateway RAK831
- Geomagnetic Vehicle Detector
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- Waste Level Sensor
- LoRa Tracker



Geomagnetic Vehicle Detector



Key Features

Operating Frequency	433 MHz/470 MHz/780 MHz/868 MHz/920 MHz
Maximum Transmit power	17 dBm
Transmission Distance	1 Km
Standards	LoRaWANTM, Class A
Vehicle Presence Accuracy	>99%
Detection Algorithm	Three-axis joint detection algorithm
Installation Method	Flush
Upgrade Method	Remote upgrade
Parameters Configuration	Detect threshold, heart-beat intervals
Calibration	Power-on calibration, command calibration
State Monitor	Low-voltage alarm, disturbance alarm
Power Supply	Built-in 3.6 V lithium battery
Power Switch	External magnetic strip switch
Protection Level	IP67
Life Duration	7 years
Operating Temperature	-40 0C ~ 85 0C
Operating Humidity	< 95%
Size	Diameter 90 mm, height 70 mm
Weight	550 g
Resistant	8 ton

Geomagnetic Vehicle Detector



Key Features

Operating Frequency	433 MHz/470 MHz/780 MHz/868 MHz/920 MHz
Maximum Transmit power	17 dBm
Transmission Distance	1 Km
Standards	LoRaWANTM, Class A
Vehicle Presence Accuracy	>99%
Detection Algorithm	Three-axis joint detection algorithm
Installation Method	Screwed above ground
Upgrade Method	Remote upgrade
Parameters Configuration	Detect threshold, heart-beat intervals
Calibration	Power-on calibration, command calibration
State Monitor	Low-voltage alarm, disturbance alarm
Power Supply	Built-in 3.6 V lithium battery
Power Switch	ABP and OTAA
Upgrade Method	External magnetic strip switch
Protection Level	IP67
Life Duration	5 years
Operating Temperature	-40 0C ~ 85 0C
Operating Humidity	< 95%
Size	Diameter 150 mm, height 25.5 mm
Weight	400 g
Resistant	4 ton



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