

CoreSens LP1

Device Specifications

The CoreSens LP1 is a multi-technology sensor node which detects parking space status using advanced Magnetometers. It uses Low Power Long Range wireless LoRaWAN technology to connect the parking sensor node directly to the cloud.

It is specially conceived for advanced smart city solutions such as Parking Management system in wide variety of operational scenarios and with its long battery life and rugged floor-based enclosure makes it for easy installation and low maintenance cost and no-wiring is required.

The CoreSens LP1 Detector comes with a downloadable SDK with an extensive library for easy integration into a wide range of applications.



Long Range RF

Protocol

LoRa WAN

Frequency

868 MHz

Transmit Power

+0dBm to +20 dBm

Number of Channels

Configurable 8 channels

Antenna Type

PCB antenna, Omni Directional

Operational Range

2 to 10 KM

Sensors

Magnetometer

3 axis digital magnetometer with high precision

Enclosure

Housing Material

Polyamide powder filled with glass particles (PA-GF)

Dimension

200 mm (Radius) x 31 mm (H)

Weight

550g

Protection Class

IP67

Colour

Black

Accessories

Mounting Screws, Mounting Pad

Operating Environment

Operating Temperature

0°C to 60°C

Operating Humidity

90%

Battery

Battery type

Lithium-ion

Battery Life

2 to 3 Years*

(* Depending upon configuration (Keep Alive packet, Sleep duration) and parking events



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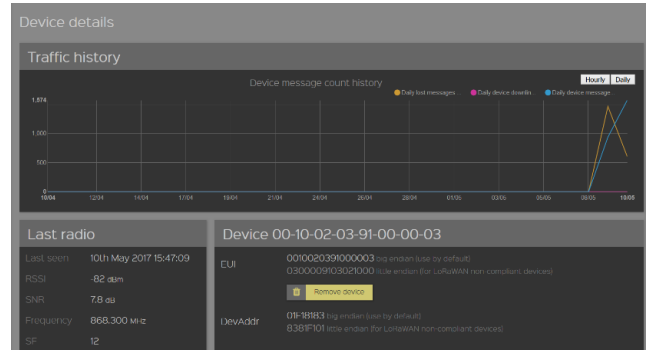
Device Specifications

Data View Dashboard

Full customized Online Dashboard to view and manage Parking spaces

Application Areas

- Indoor/Outdoor Parking
- Parking management
- Smart City integrated system (LPWAN-based)
- Traffic monitoring
- Data analytics



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