



# Parking Pill

SI2C parking sensor is an inexpensive, fully integrated solution for use in the roadway.

It is fully compatible with LPWAN radio technology Sigfox to enable long range and low power consumption.

- Low-cost IoT solution for parking
- Low power consumption
- Long-life battery
- Super-easy, cost efficient installation
- Full integration into surface
- No need for demanding installation infrastructure

Parking Pill is unique solution with wide range of utilization. It is designed for developers, office buildings owners and municipalities. Built-in parking sensors make it possible to effectively manage rented, paid or reserved locations depending on the choice of application.

Information about the occupancy of parking places may be part of the higher-level information systems or local navigation boards, but it can directly target those responsible for parking policy management

and thus manage critical locations. Securing critical locations is a solution that we call negative parking. This is a way to locate and quickly resolve the placement of paid or reserved parking spaces.

Developers and office owners can also benefit from optimizing the use of parking spaces by tenants or ensure that only the people for whom they are designated are using them.





One of the main benefits of the Parking Pill are the small dimensions allowing easy installation which can be handled by one person. The assembly requires a cordless impact drill with a diameter of 40 mm and a polyurethane sealant. The whole installation does not take more than 5 minutes.

The Parking Pill provides an information about the current occupancy of a parking space, with the possibility for further data processing in GIS navigation systems, maps or specific administration applications. The usage of parking sensors increases the parking comfort for any destination. The time savings are increased and the traffic in densely populated or industrial areas is decreased.

TECHNICAL SPECIFICATIONS	
Dimensions	35 mm diameter, 156 mm height
Power supply	Built-in Lithium batteries 3, 6V 17 200 mAh
Detection	Magnetic: Lis3mdltr Three Axis Digital Magnetometer
Protection	Waterproof IP6 8
Operating temperature	-30 - 80°C
Antenna	Built-in 868 MHz antenna
Communication module	MuRata
Expected lifetime	7 years (within 50 messages per day)
Battery selfdischarge	Less than 2% after 1 year of storage
Transmission power	Up to +14 dBm
Microcontroller	STM320L0 series, ultra low power ARM MCU