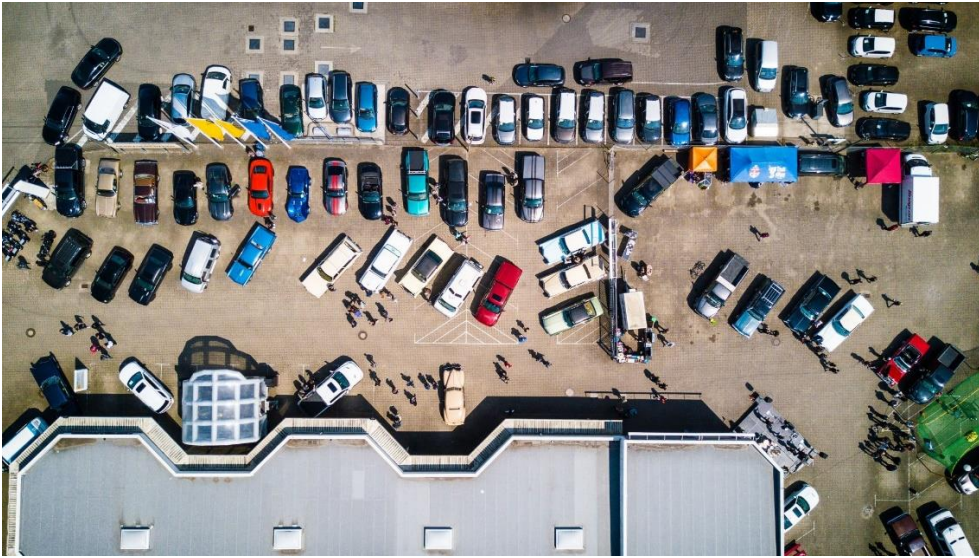


Smart parking Cloud

NarrowBand Parking Sensor - NBPS

MOBILISIS®

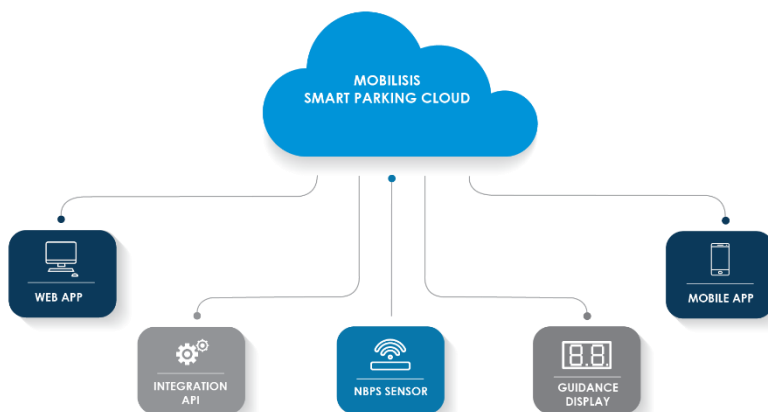


NarrowBand Parking Sensor (NBPS) is a fully autonomous wireless parking sensor, developed and produced by Mobilisis. Its compact form factor and ease of deployment make it a versatile solution for the cities of tomorrow. The patented dual magnetometer technology enables fast, reliable and accurate vehicle detection.

Utilizing a NarrowBand Cellular network, the sensor is capable of transmitting parking data directly to the Internet (Smart parking Cloud), without a need for any gateways or hubs. That, in turn, lowers the total cost of ownership as well as maintenance costs.

An onboard battery, backed by intelligent power management system, guarantees a long operational lifetime, with almost no maintenance. Integrated short-range communication module makes the system easily expandable and serviceable.

Smart Parking Cloud Solution




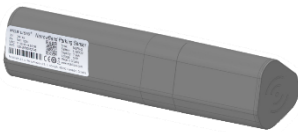
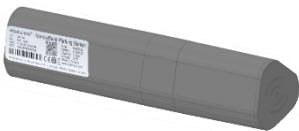
Benefits

- Wireless communication via NBloT Cellular Network
- Reliable, fast and accurate parking occupancy detection
- Real-time parking spot status
- Reliable detection in all weather conditions
- Ultra-fast and easy installation
- Easy integration with existing traffic infrastructure
- Simple user-friendly Smart parking Cloud Web Application

Application

- On-street and off-street parking spots
- Navigation to the nearest available parking spot
- Faster and more reliable enforcement
- Unrivaled solution for municipality, parking operators and community

NarrowBand Parking Sensor - TYPES:

			
Type:	NBPS-G	NBPS4B-G	NBPS6B-G
Connectivity	NarrowBand IoT		
NB-IoT band	global multiband (B1, B3, B5, B8, B20, B28) - only one can be selected at the time		
Detection method	differential magnetic		
Short-range communication capability	supports data exchange with external device via BLE (eg. Mobile phone or Tablet)		
Power supply	built-in Li-SOCI2 lithium battery		
Voltage	3,6 V	3,6 V	3,6 V
Capacity	7,2 Ah	14,4 Ah	21,6 Ah
Mounting	surface mount / below surface	below surface	
Battery Life*	2-3 years	4-6 years	6-8 years
Snow plough resistant	YES		
Detection accuracy rate	>96%		
Detection distance	0...30 cm		
Antenna	omnidirectional		
Dimensions WxDxH	30.5 mm x 30.5mm x 198.0 mm	44.8 mm x 200 mm	44.8 mm x 200 mm
Weight	170 grams	190 grams	235 grams
Ingress protection	IP68 (EN 60529)		
Enclosure	Polyamid PA 66		
Color	Grey		
Operating temperature	-20....+75°C		
SIM card**	3FF Micro SIM		

*15-30 parking sessions per day

**SIM cards should be delivered before production by NB-IoT network provider