



U-Spot M2M is a wireless **parking sensor** that **measures**, every 3 seconds (configurable), the **Earth's magnetic field changes** produced in a parking space.

When the magnetic field changes significantly regarding the sensor calibration value, it is transmitted to the **U-Admin platform** directly through the mobile telecom network, using the **standard 3GPP protocol NB-IoT**.

In U-Admin, the information is processed with sophisticated algorithms to **determine in real time the entrance, exit and parking session of a vehicle**.

It is **suitable to any outdoor parking area**. It can be **installed in the middle of the parking space or in the curb / sidewalk without removing the vehicles parked**.

Features

- ▶ True gateway-less sensor.
- ▶ Fast and easy to install, no wiring, minimal civil work and no maintenance.
- ▶ Magnetic auto-calibration. It guarantees the accuracy along the sensor's lifetime.
- ▶ Installation without removing vehicles parked.
- ▶ Activation and connectivity verification with U-Admin during the installation.
- ▶ 100% flush-mount and covered with resin. Compatible with snow removal operations.
- ▶ Insensitive to daylight and weather conditions (rain, fog, snow, ice).

Technical specifications



Accuracy	Higher than 98%
Sampling rate	Every 3 seconds (configurable)
Connectivity	LTE band 5, 8, 12, 13, 17, 18, 19, 20, 28 and 85 (NB-IoT)
Power supply	Autonomous through battery
SIM Card	SIM on chip (MFF2)
Useful lifetime <i>10 rotations / spot / day</i>	Up to 10 years (under standard coverage quality of the mobile network).
Weight	345 grams
Ingress protection	IP67 (completely sealed housing) IK10
Pressure resistance	1,5 Tons
Operating temperature range	-40°C - 85°C

