



## Wireless gateway

Wireless networks are formed around a Gateway, which acts as the wireless network master device, and one or more Nodes (magnetic detectors). The communication between gateway and magnetic detectors is based on the LoRa technology which is long range and low power. The gateway communicates with a maximum of 150 wireless detectors. The data received from the detectors can be retrieved on the gateway using Modbus protocol on a RS485 line. The LOGAT gateway has also several digital outputs that can be used to show the status of some detectors.

The gateway has also a display and three buttons that allow a basic configuration of the sensors and can show the data about sensors detections

### LORA COMMUNICATION

The communication between gateway and magnetic detectors is based on the Lora technology which is long range and low power. LORA is a long range wireless communication system developed for IoT that enhanced dramatically the range of communication. Depending on the environment the communication from sensor to gateway can reach up to 150 m.

### APPLICATIONS

- Vehicle counting on roads
- Vehicle detection at barriers
- Detection of vehicles in parking lots



## LOGAT-01



Antenna connection	SMA, 50 Ohms
Transmission frequency	868,5 Mhz
Radio power	14 dBm
Weight	0.5 Kg.
Power supply	12 V.
Communication distance	150 m. max.
Communication bus	RS485
Connector	19 pins
Dimension	106 x 96 x 41 mm.
Interface	Display, buttons
Operating Temperature	-20°C +50°C