

# sGate Outdoor RUGGED Gateway

## IoT INFRASTRUCTURE

sGate is a WiFi-BLE network gateway. It works as BLE Observer and WiFi STA sending MQTT messages.

sGate provides Edge Computing capabilities, it receives the BLE signal from the sensors, and transmits it to the server, in MQTT, via Wi-Fi. The device is also the key for locating services, collecting data from the tracking sensors and sending their position to the server.

For outdoor environments, the device has a waterproof shell and can be positioned on a pole.



Features	
<b>Product Code</b>	50.100004.002
<b>Tag Detection</b>	Detection up to 60 meters (BLE and WiFi 2.4GHz)
<b>Power Supply - Battery</b>	Battery pack 24000mAh rechargeable (via micro USB-B) Power output 5V (2 USB-A) Recharge by cable 5V (USB-B and USB-C) Solar recharge panel capacity 200mAh/day - 1W
<b>Receiver Sensitivity</b>	Noise Suppression Receiver (NSR)
<b>Communication</b>	BLE + WiFi 2.4 GHz (2400 - 2483.5 MHz)
<b>Antenna</b>	Omnidirectional WiFi and BLE antenna 2.4 GHz Gain 9dBi - 802.11 b/g/n
<b>Internal Memory</b>	4 MB
<b>WiFi Security</b>	Open, WEP, WPA, WPA2
<b>Supported Protocols</b>	IP, TCP, UDP, ARP, ICMP, HTTP, DHCP
<b>Operating Temperature</b>	-10°C - +50°C
<b>Protection</b>	IP54 (rain and dust protection) with USB caps
<b>Size and Weight</b>	230x125x55 mm - 50 gr
<b>Warranty</b>	1 year (battery excluded)
<b>Certifications</b>	CE (EMC, EMF, ROHS), FCC

