

sGate Outdoor RUGGED Gateway

IoT INFRASTRUCTURE

sGate is a Wi-Fi-BLE network gateway. It works as BLE Observer and Wi-Fi 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	
Product Code	50.100004.017
Tag Detection	Detection up to 60 meters (BLE and Wi-Fi 2.4GHz)
Power Supply - Battery	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
Receiver Sensitivity	Noise Suppression Receiver (NSR)
Communication	BLE + Wi-Fi 2.4 GHz (2400 - 2483.5 MHz)
Antenna	Omnidirectional Wi-Fi and BLE antenna 2.4 GHz Gain 9dBi - 802.11 b/g/n
Internal Memory	4 MB
Wi-Fi Security	Open, WEP, WPA, WPA2
Supported Protocols	IP, TCP, UDP, ARP, ICMP, HTTP, DHCP
Operating Temperature	-10°C - +50°C
Protection	IP54 (rain and dust protection) with USB caps
Size and Weight	230x125x55 mm - 50 gr
Warranty	1 year (battery excluded)
Certifications	CE (EMC, EMF, ROHS), FCC

