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sGate
Wi-Fi - BLE gateway

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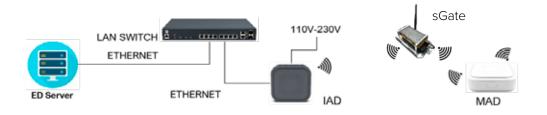
sGate is a WiFi-BLE network gateway. It works as BLE Observer and WiFi STA sending MQTT messages.

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.

Depending on fitting, it can have a minimal/credit card dimension case, a rigged, outdoor shell, or a portable equipment.

Features	
Product Code	50.100004.002
Tag Detection	Detection up to 60 meters (BLE and WiFi 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)
Receiver Sensitivity	Noise Suppression Receiver (NSR)
Communication	BLE + WiFi 2.4 GHz (2400 - 2483.5 MHz)
Antenna	Omnidirectional WiFi and BLE antenna 2.4 GHz Gain 9dBi - 802.11 b/g/n
Internal Memory	4 MB
WiFi Security	Open, WEP, WPA, WPA2
Supported Protocols	IP, TCP, 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

REIOS

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