

# BLE Gateway

## Industrial casing BLE Gateway

### BENEFITS

- Built around a popular and affordable hardware platform
- Dedicated to the “BLE Gateway” function
- Strong ability to read many tags simultaneously in real time
- Integrates IOT standards: MQTT, REST API, GRPC API



## TECHNICAL SPECIFICATIONS

### OPERATING MODE

---

<b>Frequency</b>	2.4GHz
<b>Hardware Platform</b>	Raspberry PI4B 8GO
<b>Range</b>	Up to 100 meters in open field
<b>Max power</b>	2.5 A to +5.1 VDC
<b>Connectivity</b>	4 x USB 2.0 ports 1 x RJ45 Femelle 2 x HDMI mini
<b>Configuration</b>	Web App Configuration
<b>OS</b>	DEBIAN based ELA BLE Raspberry Pi Gateway OS Booting from the microSD card.
<b>LED indicator</b>	LEDs for PWR and RUN indication
<b>Software</b>	ELA GATEWAY APP BLE scanner function with real-time reading and "intelligent" search functions. Reading of sensor data and graph display of sensor data. Connected mode commands (LED control, Battery status, datalogger download). Output protocols and API : MQTT, REST, GRPC. MQTT configuration: broker address and port / optional TLS and certificate, Topic prefix

---

## BATTERY

---

**Power supply** +5.1 VDC via USB C connector (included)

---

## CERTIFICATIONS

---

**Europe** CE : EN 300 328/ EN 300 330/ EN 301 489 & EN 55032 / EN 62368-1

**USA** FCC : FCC PART 15

---

## HOUSING

---

**Dimensions** 120 mm x 100 mm x 23 mm

**Mounting** Din RAIL compliant

**Weight** 111g

**Materials** ABS (Plastic)

**Operating temperature** 0°C to +50°C

---

## ACCESSORIES

---

Power supply unit +5.1VDC (included)  
8GB microSD card and SD card adapter (included)