

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

Frequency	2.4GHz
Hardware Platform	Raspberry PI4B 8GO
Range	Up to 100 meters in open field
Max power	2.5 A to +5.1 VDC
Connectivity	4 x USB 2.0 ports 1 x RJ45 Femelle 2 x HDMI mini
Configuration	Web App Configuration
OS	DEBIAN based ELA BLE Raspberry Pi Gateway OS Booting from the microSD card.
LED indicator	LEDs for PWR and RUN indication
Software	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)