

BlueBeacon Gateway

BLE beacon reader with LAN/WLAN interface

Preliminary fact sheet v. 1.1

BlueBeacon Gateway is a BLE-LAN/WLAN gateway that allows to interface a network or a fleet of BLE beacons (with iBeacon, Eddystone, Quuppa or Sensors technology) directly with the Internet, via LAN or WiFi network (802.11.n).

BlueBeacon Gateway operates as a BLE reader capable of reading the identification of the beacons in the range and to make them available to the cloud (via LAN or WLAN). Through special commands it is possible to filter the received beacons, for example, based on technology or their identifier.

BlueBeacon Gateway is available in two versions:

- RB/00 with BLE omnidirectional antenna;
- RB/05 with 5dBi directive BLE antenna.

Possible applications with BlueBeacon Gateway are:

- remote monitoring of fixed beacon installations (eg. museums, shopping malls, etc...);
- RTLS and access control systems based on BLE beacons

Hardware	
Platform	Raspberry Pi3 Model B
Processor	1.2GHz 64-bit quad-core ARMv8
Connectivity	Ethernet, WiFi
Radio (Bluetooth)	
Version	4.1 (Bluetooth Low Energy)
Antenna	Version RB/00: omnidirectional antenna Version RB/05: 5dBi directive planar antenna
Electrical	
Power voltage	5V DC (microUSB)
Power current	<2.5A (peak)
Mechanical and environmental	
Size	Version RB/00: 100 x 73 x 30 mm Version RB/05: 120 x 120 x 45 mm
Wall mounting option	Version RB/00: none Version RB/05: wall-mounting plastic flanges
Protection	IP40
Operating temperature	-10°C to +50°C

Version RB/00	Version RB/05
	