

## BlueBeacon Gateway

### BLE beacon reader with LAN/WLAN interface

*Preliminary fact sheet v. 1.0*

BlueBeacon Gateway is a BLE-LAN / WLAN gateway that allows to interface a network or a fleet of BLE beacons 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 (iBeacon and/or Eddystone) or their identifier (UUID, major, minor if iBeacon, Namespace ID and ID Instance if Eddystone).

BlueBeacon Gateway is available in two versions: RB/O with BLE omnidirectional antenna; and RB/D with 14dBi directive BLE antenna.

Possible applications with BlueBeacon Gateway are:

- remote monitoring of fixed beacon installations (eg. museums, shopping malls, etc...);
- reading, at specific points ("virtual access points"), of identifier of BLE beacons used as active tags applied to moving objects, assets or people.

| Bluetooth radio              |   |
|------------------------------|---|
| Version                      | Bluetooth Low Energy (Bluetooth 4.0)  |
| Antenna                      | Two options:<br>RB/O: integrated chip antenna<br>RB/D: directive 14dBi linear polarized antenna |
| Electrical                   |   |
| Power voltage                | 5V DC   |
| Power current                | <2.5A (peak)  |
| Data Interface               | Ethernet / 802.11.n WLAN<br>4x USB<br>40x GPIO (configurable)                                   |
| Mechanical and environmental |   |
| Size                         | Version RB/O: 100 x 73 x 30 mm<br>Version RB/D: 185 x 185 x 65 mm                               |
| Protection                   | Version RB/O: IP40<br>Version RB/D: IP67  |
| Operating temperature        | -10°C to +50°C  |

| Version RB/O  | Version RB/D   |
|---|--|
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