

Overview

BACE is the IoT data pipeline created by EVALAN to digitalize any hardware imaginable.

The solution is focused on creating reliable bi-directional communication between the device in the field and the cloud application. As such, it consists of two completely integrated parts: the BACE Gateway and the BACE Cloud.

BACE Go is a battery powered wearable gateway best suited for applications where continuous on-body measurements are needed. The BACE Cloud provides end-to-end secure connectivity and allows you to manage and store the data collected.

The telemetry data is made available on dashboards and can be accessed by authorized systems via an API (Application Programming Interface).



Applications

BACE Go has a wide range of applications in worker safety, medical care, research, and sports, as it connects to an extensive portfolio of physiological sensors. Furthermore, it is certified as a Class 1 Medical Device (MDR/2017/745/EC).

Benefits



Time to Market

Developing an IoT solution from scratch can take years, with BACE you will have a market-ready solution in a few days.



Simple

BACE Go collects high volumes of physiological data and is a fast and simple solution to monitor activity or health status.



Scalable

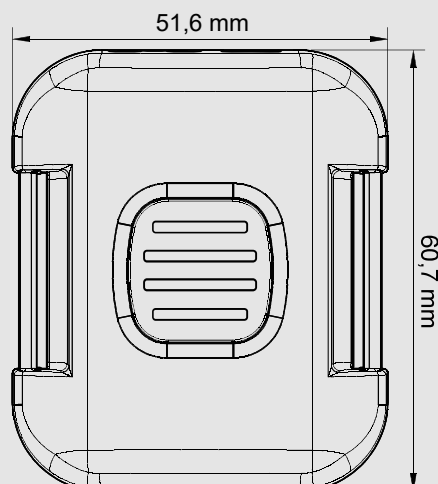
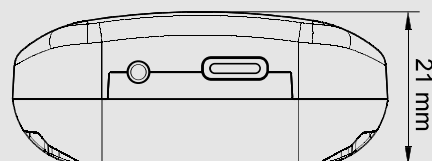
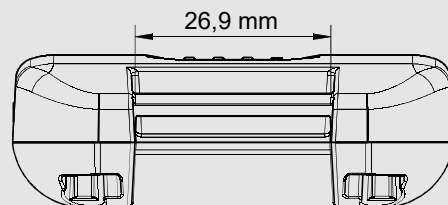
When you decide to scale from a PoC of one device to thousands it will be done keeping the same flow and experience you are used to, and without complexity.



Reliable

You will have the guarantee of a reliable partner that has connected more than 100k devices globally.

Dimensions



Built-in sensors

- 3-axis accelerometer
- 3-axis gyroscope
- GPS

External sensors (optional)

- Heart rate
- Respiratory rate
- Blood pressure
- Blood oxygen saturation

IoT Communication protocols

- BLE

User Interfaces

- Programmable front button
- Buzzer

Security

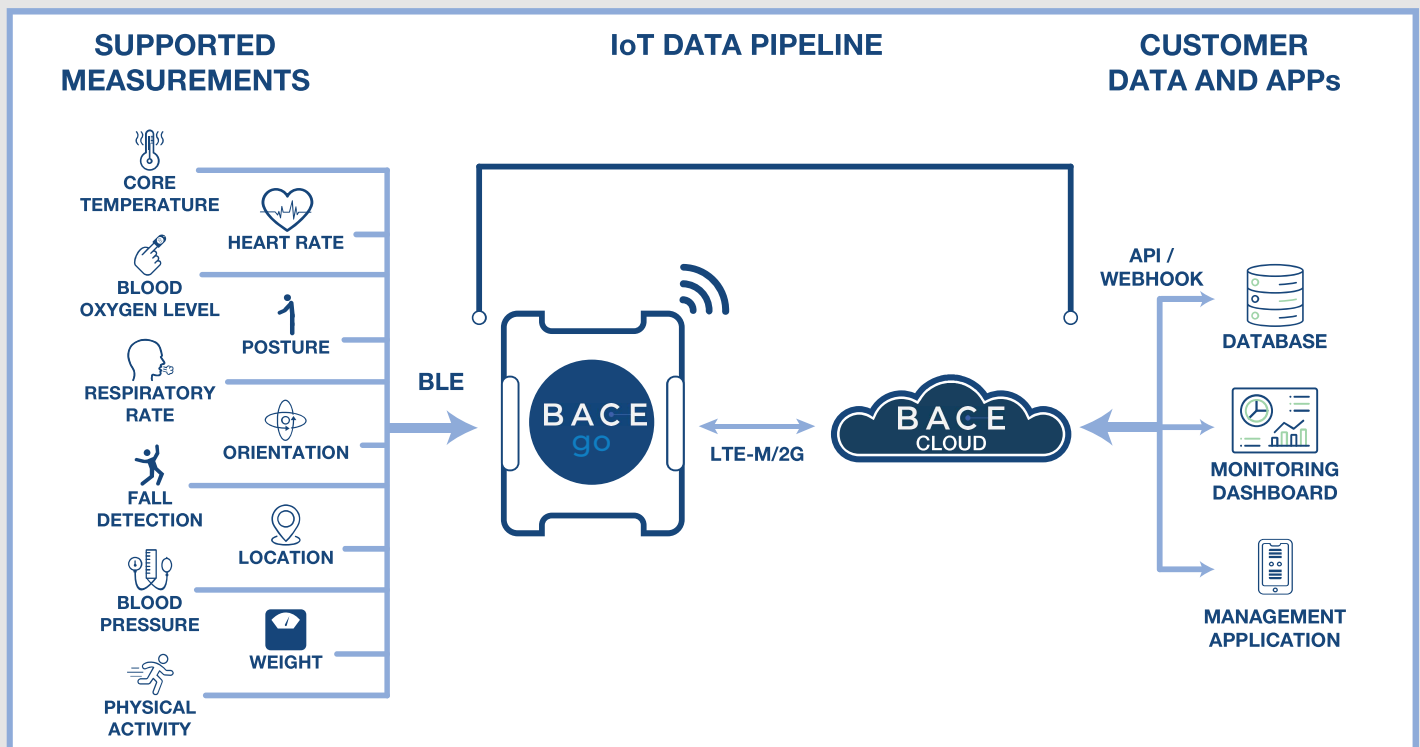
- Encrypted file system
- Secure boot
- Secure authentication
- Encrypted communication

Connectivity to Cloud

- Built-in LTE-M eSim with 2G fallback

Other specifications

Operating temperature	-30 C° to 80 C°
Battery capacity	1500 mAh
Dimensions	61mm x 52mm x 21mm
Charging	USB-C/5V - 1A
Certification	Medical Device Class I (MDR/2017/745/EC)



*Due to continuous improvements and innovations, specifications may change without notice.

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