

BITalino Board Kit Data Sheet

SPECIFICATIONS

- > **Sampling Rate:** 1, 10, 100 or 1000Hz
- > **Analog Ports:** 4 in (10-bit) + 2 in (6-bit)
- > **Digital Ports:** 4 in (1-bit) + 4 out (1-bit)
- > **Communication:** Bluetooth 2.0+EDR
- > **Range:** up to ~10m (in line of sight)
- > **Sensors:** EMG; ECG; EDA; ACC; LUX
- > **Actuators:** LED
- > **Size:** 105x60x6mm
- > **Battery:** 500mA 3.7V LiPo (rechargeable)
- > **Consumption:** ~65mA (everything active)
- > **Accessories:** 3-lead cable (EMG/ECG);
2-lead cable (ECG/EDA); 5 electrodes

FEATURES

- > Perfect for biosignal exploration
- > All-in-one system
- > Snappable blocks
- > Raw data acquisition
- > On-board battery charger
- > Easy-to-use
- > Affordable

APPLICATIONS

- > Psychophysiology
- > Biomedical projects
- > Computer science
- > Electrical engineering
- > Human-Computer Interaction
- > Robotics & Cybernetics
- > Physiology studies
- > Biomechanics
- > Biofeedback

GENERAL DESCRIPTION

Our signature BITalino Board kit has an all-in-one ready-to-use hardware design, with all the blocks pre-connected between them, making it perfect for biosignal exploration and lab activities. The kit has all the accessories needed to get started, namely the hardware modules, battery, cables, and electrodes. Along with our cross-platform OpenSignals software, it enables instant biosignal data visualization and recording.

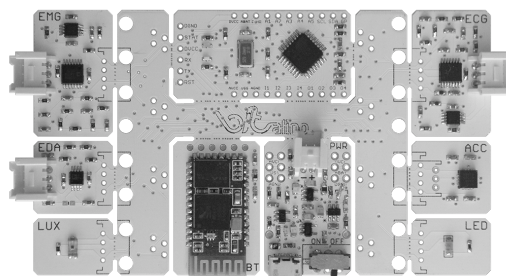


Fig. 1. All-in-one design ready to use out-of-the-box.

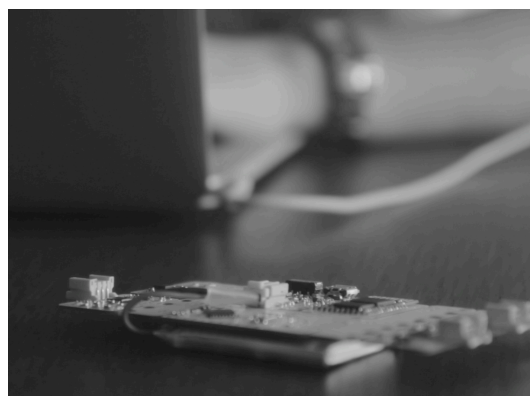


Fig. 2. The BITalino Board kit enables you to have your own personal biosignal acquisition system.



Fig. 3. Parts and accessories included in the kit.



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BEWARE: DIRECT OR INDIRECT COUPLING TO THE MAINS MAY RESULT IN SHOCKING HAZARD

