

**SCIENTISST**  
SENSE

# Data Sheet

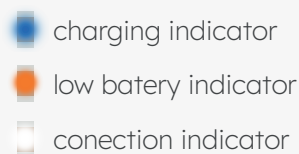
**ScientISST Sense** is a all-in-one ready-to-use development board , ideal for prototyping with biosignals and to get a head start on your biomedical engineering projects.

## Specifications

- > **Sampling Rate:** up to 16kHz
- > **Analog Ports:** 6 in (12-bit) + 2 in (24-bit)
- > **Digital Ports:** 2 in (\_\_-bit) + 2 out (\_\_-bit) + 1 IC2 + 1 SPI
- > **Communication:** Bluetooth or WiFi
- > **Sensors:** ECG, PCG, IRT, IRS, EMG, EEG, EDA, ACC, Pressure, Temperature
- > **Size:** 63 x 61.5 x \_\_ mm
- > **Battery:** rechargeable 3.7V LiPo battery
- > **Consumption:** ~46mA in acquisition

## Features

- > Snappable blocks
- > Raw and milivolt data acquisition
- > Simultaneous charging and acquisition
- > JST battery connector
- > Groove connectors for all digital and analog ports
- > ON/OFF button
- > Status LED indicators:



## Functional Blocks

