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e-Health Sensor Platform Complete Kit V2.0 for Arduino, Raspberry Pi and Intel Galileo [Biometric / Medical Applications] - Now 9 Sensors available

Availability: **In stock**

Featured in:

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**Important:** Check the available sensors on the list below

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1

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Description

The **e-Health Sensor Shield** allows Arduino and Raspberry Pi users to perform biometric and medical applications where body monitoring is needed by using 9 different sensors. This information can be used to monitor in real time the state of a patient or to get sensitive data in order to be subsequently analysed for medical diagnosis. Biometric information gathered can be wirelessly sent using any of the 6 connectivity options available: Wi-Fi, 3G, GPRS, Bluetooth, 802.15.4 and ZigBee depending on the application.

This **e-Health Sensor Platform Complete Kit** allows to get a complete First Aid Kit for Makers. It includes:

- [e-Health Sensor Shield for Arduino and Raspberry Pi](#)
- [Pulse and oxygen in blood sensor \(SPO2\)](#)
- [Airflow sensor \(breathing\)](#)
- [Body temperature sensor](#)
- [Electrocardiogram sensor \(ECG\)](#)
- [Galvanic skin response sensor \(GSR - sweating\)](#)
- [Blood pressure sensor \(sphygmomanometer\) V2.0 New Sensor](#)
- [Patient position sensor \(Accelerometer\)](#)
- [Electromyography Sensor \(EMG\) New Sensor](#)
- [Glucose sensor](#) (Not available since August 26th)

IMPORTANT: The e-Health Sensor Platform has been designed by Cooking Hacks in order to help researchers, developers and artists to measure biometric sensor data for experimentation, fun and test purposes. However, as the platform does not have medical certifications it can not be used to monitor critical patients who need accurate medical monitoring or those whose conditions must be accurately measured for an ulterior professional diagnosis.

This product is compatible with [Arduino, Raspberry Pi \(Model B+\)](#), [Raspberry Pi 2 \(Model B\)](#) and [Intel Galileo boards](#). See below the links to each of the tutorials. If you are looking for using this shield with your **Raspberry Pi**, you must use our [Raspberry Pi to Arduino Shields Connection Bridge](#).

Note for Raspberry Pi owners: If you plan to use the LoRaWAN module or the Sigfox module with this Shield, you will need to add [this headers kit](#) to avoid any space problem.

Related Tutorials

e-Health Sensor Platform V2.0 for Arduino and Raspberry Pi [Biometric / Medical Applications]

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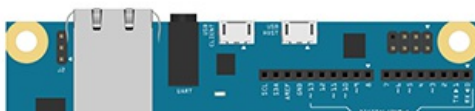


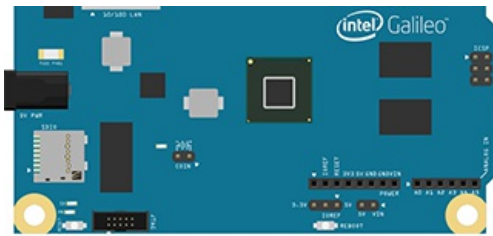
The e-Health Sensor Shield V2.0 allows Arduino and Raspberry Pi users to perform biometric and medical applications where body monitoring is needed by using 10 different sensors: pulse, oxygen in blood (SPO2), airflow (breathing), body temperature, electrocardiogram (ECG), glucometer, galvanic skin response (GSR - sweating), blood pressure (sphygmomanometer), patient position (accelerometer) and muscle/electromyography sensor (EMG).

[Read more](#)

Using Intel Galileo with the Arduino and Raspberry Pi shields designed by Cooking Hacks

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The current tutorial explains how to take the most of the Galileo board by using on it the Arduino and Raspberry Pi shields and modules designe by Cooking Hacks

Galileo comes with a single-core 32-bit, 400MHz Quark SoC X1000 processor, supports 3.3 or 5 volt shields and has an Ethernet and USB por Compatible with Windows, Mac OS and Linux, the software of Galileo also has support for the Arduino shield ecosystem.

[Read more](#)[Show More Tutorials](#) ▶

Related Products



Waspote - The Open Source Sensor Platform

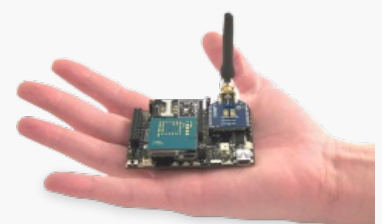
If you are interested in **Internet of Things (IoT)** or **M2M** projects check our open source sensor platform [Waspote](#) which counts with more than **100 sensors** available to use 'off the shelf', a complete **API** with hundreds of ready to use codes and a low consumption mode of just **0.7µA** to ensure years of battery life.

Know more at:

- [Waspote Product Page \(Libelium\)](#)
- [Waspote Summary Page \(Cooking Hacks\)](#)

Get the Starter Kits at:

- [Waspote Starter Kits](#)



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